SSCAT

EXCEL FUNCTION

SS COMPUTER ACADEMY AND TUTORIALS

Math & Trig→ Even, Fact, ODD, Power, Roman, SQRT, SUM, SUMIF, INT, MOD, Round.

Date & Time →Today, Now, Date, Day, Month, Year, Time, Hour, Minute, Second.

Text → Lower, Proper, UPPER, Left, Right, Mid, Len, Concatenate, Exact, Trim.

Statistical → Average, AverageA , Count Function, Max, Min, Mode.

Lookup & Reference→ Hyperlink, IFERRORR, V Lookup, H Lookup and Match.

Logical → AND, OR, NOT, IF.

Financial` → FV, PMT, IPMT, PPMT.

Financial

Ms-Excel

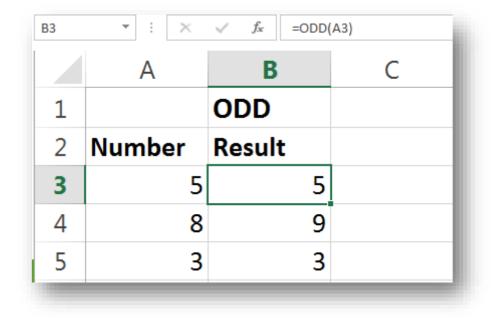**Free** Online Computer Classes on YouTube Channel **SSCAT DNKL**

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Excel Function..

Math & Trig...

B3		⋮	✕	✓	*fx*	=EVEN(A3)

	A	B	C
1		Even	
2	Number	Result	
3	5	6	
4	8	8	
5	3	4	

B3		⋮	✕	✓	*fx*	=FACT(A3)

	A	B	C
1		Fact	
2	Number	Result	
3	5	120	
4	8	40320	
5	3	6	

B3   ▼   ⋮   ✕   ✓   *fx*   =ODD(A3)

	A	B	C
1		**ODD**	
2	**Number**	**Result**	
3	5	5	
4	8	9	
5	3	3	

C3   ▼   ⋮   ✕   ✓   *fx*   =POWER(A3,B3)

	A	B	C
1		**Power**	
2	**Number**	**power**	**Result**
3	5	3	125
4	6	2	36
5	3	4	81

B3 | fx =ROMAN(A3)

	A	B	C
1		**Roman**	
2	**Number**	**Result**	
3	5	V	
4	45	XLV	
5	8	VIII	

B3 | fx =SQRT(A3)

	A	B	C
1		**SQRT**	
2	**Number**	**Result**	
3	64	8	
4	144	12	
5	49	7	

SUM		⋮	✕	✓	*fx*	=SUM(A3:A6)

	A	B	C
1		**SUM**	
2	**Number**	**Result**	
3	77	187	
4	36	=SUM(A3:A6)	
5	49		
6	25		

D4		⋮	✕	✓	*fx*	=SUMIF(A3:A6,C4,B3:B6)

	A	B	C	D
1		**SUMIF**		
2	**City**	**Amt.**	**Result**	
3	Sitapur	4500	**City**	**Total**
4	Mumbai	3600	Sitapur	7000
5	Sitapur	2500		
6	Mumbai	15000		

| B3 | | ▼ | : | × | ✓ | f_x | =INT(A3) |

◢	A	B
1		**INT**
2	**Number**	**Result**
3	45.378	45
4	25.96	25
5	48.963	48

| C3 | | ▼ | : | × | ✓ | f_x | =MOD(A3,B3) |

◢	A	B	C
1		**MOD**	
2	**Denominator**	**Divisor**	**Result**
3	44	8	4
4	39	3	0
5	26	6	2

| B3 | ▼ | ⋮ | ✕ | ✓ | ƒx | =ROUND(A3,0) |

	A	B	C
1	**Round**		
2	**Number**	**Result**	
3	25.365	25	
4	26.84	27	
5	23	23	

Date & Time...

| B2 | ▼ | ⋮ | ✕ | ✓ | ƒx | =TODAY() |

	A	B
1		**Today**
2	**Result**	8/30/2018

| B2 | ▼ | ⋮ | ✕ | ✓ | ƒx | =NOW() |

	A	B
1		**Now**
2	**Result**	8/30/2018 5:27

SUM	▾	:	✕	✓	*fx*	=DATE(2018,8,30)

	A	B	C
1		**Date**	
2	**Result**	8/30/2018	
3		=DATE(2018,8,30)	

B3	▾	:	✕	✓	*fx*	=DAY(B2)

	A	B
1	**Day , Month , Year**	
2	**Date**	8/30/2018
3	Day	30
4	Month	8
5	Year	2018

SUM	▾	:	✕	✓	*fx*	=TIME(18,9,12)

	A	B	C
1		**Time**	
2	**Result**	6:09 PM	
3		=TIME(18,9,12)	

B3		✕ ✓ fx	=HOUR(B2)

	A	B
1	**Hour , Minute , Second**	
2	**Time**	6:20:57 AM
3	Hour	6
4	Minute	20
5	Second	57

Text...

B3		✕ ✓ fx	=LOWER(A3)

	A	B	C	D
1	**Lower , Proper , UPPER**			
2	**Name**	**Lower**	**Proper**	**UPPER**
3	Rahul	rahul	Rahul	RAHUL
4	arvind	arvind	Arvind	ARVIND
5	SURESH	suresh	Suresh	SURESH

| B3 | | | fx | =LEFT(A3,3) |

	A	B	C	D
1		**Left , Right , Mid**		
2	**Name**	**Left**	**Right**	**Mid**
3	Rahul	Rah	ul	hu
4	arvind	arv	nd	vi
5	SURESH	SUR	SH	RE

| B3 | | | fx | =LEN(A3) |

	A	B
1		**Len**
2	**Name**	**Result**
3	Rahul	5
4	Shyam	5
5	Surendra	8

C3 | =CONCATENATE(A3," ",B3)

	A	B	C
1	Concatenate		
2	First Name	Last Name	Result
3	Rahul	verma	Rahul verma
4	Shyam	Gupta	Shyam Gupta
5	Surendra	Singh	Surendra Singh

B3 | =EXACT(A3,"Rahul")

	A	B
1	EXACT	
2	First Name	Result
3	Rahul	TRUE
4	RAHUL	FALSE
5	Rahul	TRUE
6	rahul	FALSE

	A	B
	B3 ▼ ⋮ ✕ ✓ fx =TRIM(A3)	
1	Trim	
2	First Name	Result
3	Rahul	Rahul
4	Ravi Verma	Ravi Verma
5	Rahul Raj	Rahul Raj

Statistical..

	A	B
	B3 ▼ ⋮ ✕ ✓ fx =AVERAGE(A3:A6)	
1	Average	
2	Number	Result
3	5	7
4	12	
5	6	
6	5	

B4 | =AVERAGEA(A3:A6)

	A	B
1	**AverageA**	
2	**Number**	**Result**
3	5	
4	12	5.5
5	A	
6	5	

B3 | =COUNT(A3:A8)

	A	B	C
1	**Count Function**		
2	**Value**	**Count**	**Countblank**
3	upciss	3	1
4	12		
5	upciss	**Counta**	**Countif**
6		5	2
7	15		
8	25		

| B3 | fx | =MAX(A3:A7) |

	A	B	C	D
1	**Max , Min , Mode**			
2	**Number**	**Max**	**Min**	**Mode**
3	1	8	1	4
4	4			
5	8			
6	7			
7	4			

Lookup & Reference..

| B3 | fx | =HYPERLINK("E:\Theory","Notes") |

	A	B	C	D
1	**Hyperlink**			
2				
3	Link	Notes		

D11   =VLOOKUP(C11,B3:F8,2,0)

VLOOKUP

	Stu.ID	Name	Course	Age	Batch Time
3	Stu.ID	Name	Course	Age	Batch Time
4	UPCI0253	Arvind	CTTC	26	8 To 10
5	UPCI0254	Rahul	ADCA	23	10 To 11
6	UPCI0255	Suresh	DCA	20	11 To 12
7	UPCI0256	Ramesh	CTTC	25	8 To 10
8	UPCI0257	Harsh	ADCA	23	10 To 11
9					
10		Stu.ID	Name	Course	Batch Time
11		UPCI0255	Suresh	DCA	11 To 12

C11   =HLOOKUP(C10,B3:F8,MATCH(B11,B3:B8,0),0)

HLOOKUP & MATCH

	Name	Sale Jan.	Sale Feb.	Sale Mar.	Sale April
3	Name	Sale Jan.	Sale Feb.	Sale Mar.	Sale April
4	Arvind	1788	1506	2653	2531
5	Rahul	2386	2912	2842	2379
6	Suresh	2859	2956	2095	2066
7	Ramesh	1708	1527	2029	2098
8	Harsh	2939	2835	2567	1796
9					
10		Sale mar.			
11	Harsh	2567			

Logical..

Comparison Operator	Meaning
=	Equal to
<>	Not Equal to
>	Greater then
<	Less then
>=	Greater then or equal to
<=	Less then or equal to

D4		⁝	× ✓	fx	=AND(C4>=2000,C4<=2500)	

	A	B	C	D
1			AND	
2				
3		Name	Salary	Result
4		Mohan	2000	TRUE
5		Kishor	1800	FALSE
6		Lalit	3000	FALSE
7		Anoop	2500	TRUE
8		Rahul	2400	TRUE

D3   =OR(C3="high school",C3="inter")

	A	B	C	D
1			**OR**	
2		**Name**	**Qualification**	**Result**
3		Mohan	High school	TRUE
4		Kishor	Eight	FALSE
5		Lalit	High school	TRUE
6		Anoop	Inter	TRUE
7		Rahul	Eight	FALSE

C3   =NOT(B3>=2000)

	A	B	C
1		**NOT**	
2	**Name**	**Value**	**Result**
3	Suresh	600	TRUE
4	Mahesh	3000	FALSE
5	Rahul	700	TRUE
6	Arvind	4000	FALSE

| D3 | ▼ | ⋮ | ✕ | ✓ | ƒx | =IF(C3>=85,"S",IF(C3>=75,"A",IF(C3>=65,"B"))) |

◢	A	B	C	D	
1		**IF**			
2	**Name**	**Course**	**Marks**	**Grade**	
3	Suresh	ADCA	83	A	
4	Mahesh	CCC	66	B	
5	Rahul	DCA	75	A	
6	Arvind	DICPA	89	S	

Financial..

B5		⋮	✕	✓	*fx*	=FV(B4/12,B3,B2)

	A	B
1		**FV**
2	Premium	8000
3	Month	18
4	Rate of Int	8%
5	**Result**	**(152,457.52)**

B5		⋮	✕	✓	*fx*	=PMT(B4/12,B3,B2)

	A	B
1		**PMT**
2	Loan	200000
3	Period in Months	18
4	Rate of Int	9%
5	**Result**	**(11,919.53)**

| B5 | ▼ | ⋮ | ✕ ✓ | ƒx | =IPMT(B4/12,1,B3,B2) |

	A	B
1		**IPMT**
2	Loan	200000
3	Period in Months	18
4	Rate of Int	9%
5	**Result**	**(1,500.00)**

| B5 | ▼ | ⋮ | ✕ ✓ | ƒx | =PPMT(B4/12,1,B3,B2) |

	A	B
1		**PPMT**
2	Loan	200000
3	Period in Months	18
4	Rate of Int	9%
5	**Result**	**(10,419.53)**

THANK YOU

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