

while loop

while loop is similar to for 100P, ie while loop is alternative to for 100P, people uses as per their comfort.

e.g..

using Fox 100p:

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initialisation ition

on distinction

for (i=1; i <=10; i=i+1)

Cout << * i << " ";

using while loop:

syntax:

initilize

initilize

while(break)

syntax:

while(i <=10)

coutecise

update

initi=1;

coutecise

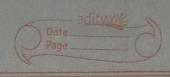
initi=1;

3

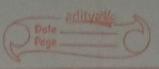
1=xx print 848 1234...10

11/2 10 put of wep.

* wop to point table using while loop. 8 x 1 = 8 n = 8 -> 8x2 = 16 8x3 = 24 int is; 8x4 = 32 while (ix=10) 8x5 = 40 contecnel"x" de i de" = "cenxiecent; 8x10 = 80 Refer code: 09 - while and do-while loop in c++ / Cluss code / Table. CPP. wap to point factors of n. factors + number that can divide n. 1 2 3 5 6 10 15 3 factors of 30 factors of 10. int (=1; while (ican) if(ny.i==0) contected"; 1= 1+1; Refer code: #/ factors. CPP



odd All I to n * H/W using whole wop. everdo-while Loop 1 initialize initialize 0 break condition Update UPdate break condition in do-while wop. in for while Loop Indo-while loop first point execute the body then consition cheek, so even if consition is false initially then also loop will be executed once. Syntax: 205 11 Update Zwhile (break); 1=5 0 Print cout << ! < " " 3 while (i <= n);



	R. Lode - A
	* WOP to point sum of n natural no.
	Sum 2
	n=10 Sum=sum+i= 121
	1 toro 322
	Sum = 0 6.23
	102
	SUM: SUM+1;
	2126
	20 program:
	2 8
	int i=1, sum=0;
	308
50	masum+i + Sum += 1
	i++;
	3 while (ix=10)
	cout << sum; o.
	anthoritic torrest standing
	Break, Continue
1016	a fination of one of the
	Break: Break is used to terminate the
	toop flow of Program/Loop.
	Continue: continue is used to skip the current
	current execution and continue
	with next itiration.
	Continue
	e.g: Suppose we want a program that will
	point 1 to n, but when i==5, toopwe
	don't want further to print anything.
	1=1
	white (i<=n) op: 1234
	E if(i==5) preak;
	cout << i;
	3

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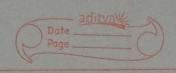
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-9

ey point i ton if x + then don't print further. while (ic=n) if (1 = = x) hreak; contaci: 1++; continue: SKIP current itization. Map to Print I ton, if n divide by 4 then skip the number. bors for (=1; (<=10; (++) ? if(i%4==0) continue: cout << i << "; OP! 123567910

5witch if(i==1) i= 1 -> Robit coulce "Robit"; Monit else if (1 = = 2) -s souit coutee" Monit; else contec" Bobit ; Above program can also be written is using Switch Statement. variable. Syntax. Switch (i switch(i) break; case 1; couter "Robit"; break; case 2: break; coutce "Mohit"; defaut: break; default: couter "solit break; break; if we don't use break in case then "fall through" will happen, i.e all the statement be below case will also be executed Refer code: ... / switch cpp.



e.9:char name = '; switch (name) case 'a': cout << "Hello". break; case b': cout << "Nope"; break; * default in switch is optional. Refer code: .. / switch cpp 6 on ceese we can use int char but 0 cen't use float or souble type of value. 1 0 Scope of a variable 0 Block steat from 's' and end at '3'. scope of a variable is within block 1 only (cardy braces). within a same block duplicate 0

voithin a same block duplicate

Variable name is not valid, but in

case of child block duplicate name

is pralid. of

child block & block within block.

