

Looping statements :

Write the syntax of following loops and print value of variable assigned by loop

1. Initialization $i=6$, condition is $i<10$, execute loop 3 times
2. Initialization is $i=10$, updation $i=i+7$ execute loop 5 times
3. Condition is $i\leq 81$ and updation is $i=i*i$ execute loop 3 times

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{ printf("%d\n",i) }
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4. For($i=10$; $i\leq 50$) execute loop 4 times
5. For($i=-3$; ; $i+1$) execute loop 5 times
6. For($i=10$; ; $i=i-3$) execute loop 5 times
7. For(; $i>30$; $i=i*2$) execute loop 4 times
8. For(; $i\geq 1$; $i=i/3$) execute loop 5 times

Print following given values by loop

1,2,3,4,5,

7,5,3,2,1

2,4,8,16,32,64,128

9,6,3,1

1.5,3.5,5.5,7.5,9.5

8,4,2,1

1,3,6,10,15,21

90,30,10,3,1