Assignment - 4 A Job Ready Bootcamp in C++, DSA and IOT MySirG

Iterative Control Statements

1. Write a program to print MySirG 5 times on the screen

Sol – 1.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

for(i=1;i<=5;i++)

{

printf("MySirG\t");

}

getch();

return 0;

}

1. Write a program to print the first 10 natural numbers.

Sol – 2.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

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

{

printf("%d\t",i);

}

getch();

return 0;

}

1. Write a program to print the first 10 natural numbers in reverse order

Sol – 3.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

for(i=10;i>=1;i--)

{

printf("%d\t",i);

}

getch();

return 0;

}

1. Write a program to print the first 10 odd natural numbers

Sol – 4.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

for(i=1;i<=20;i+=2)

{

printf("%d\t",i);

}

getch();

return 0;

}

OR

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

for(i=1;i<=20;i++)

{

if(i%2==1)

printf("%d\t",i);

}

getch();

return 0;

}

1. Write a program to print the first 10 odd natural numbers in reverse order.

Sol – 5.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

for(i=19;i>=1;i-=2)

{

printf("%d\t",i);

}

getch();

return 0;

}

1. Write a program to print the first 10 even natural numbers

Sol – 6.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

for(i=0;i<=18;i+=2)

{

printf("%d\t",i);

}

getch();

return 0;

}

1. Write a program to print the first 10 even natural numbers in reverse order

Sol – 7.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

for(i=18;i>=0;i-=2)

{

printf("%d\t",i);

}

getch();

return 0;

}

1. Write a program to print squares of the first 10 natural numbers

Sol – 8.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

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

{

printf("%d\t",i\*i);

}

getch();

return 0;

}

1. Write a program to print cubes of the first 10 natural numbers

Sol – 9.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

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

{

printf("%d\t",i\*i\*i);

}

getch();

return 0;

}

1. Write a program to print a table of 5.

Sol – 10.

#include<stdio.h>

#include<conio.h>

int main()

{

int i;

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

{

printf("5\*%d : %d\n",i,5\*i);

}

getch();

return 0;

}