**Assignment - 5 A Job Ready Bootcamp in C++, DSA and IOT MySirG**

**More on Iterative Control Statements**

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

Sol – 1.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

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

{

printf("MySirG\t");

}

getch();

return 0;

}

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

Sol – 2.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

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

{

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

}

getch();

return 0;

}

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

Sol – 3.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

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

{

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

}

getch();

return 0;

}

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

Sol – 4.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

for(i=1;i<=n\*2-1;i+=2)

{

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

}

getch();

return 0;

}

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

Sol – 5.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

for(i=n\*2-1;i>=1;i-=2)

{

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

}

getch();

return 0;

}

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

Sol – 6.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

for(i=2;i<=n\*2;i+=2)

{

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

}

getch();

return 0;

}

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

Sol – 7.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

for(i=n\*2;i>=1;i-=2)

{

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

}

getch();

return 0;

}

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

Sol – 8.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

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

{

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

}

getch();

return 0;

}

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

Sol – 9.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

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

{

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

}

getch();

return 0;

}

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

Sol – 10.

#include<stdio.h>

#include<conio.h>

int main()

{

int i,n;

printf("Enter a number : ");

scanf("%d",&n);

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

{

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

}

getch();

return 0;

}