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

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

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

printf("MySirG \n");

return 0;

}

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

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

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

return 0;

}

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

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

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

return 0;

}

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

#include<stdio.h>

int main()

{

int i,j,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

{

printf("%d\n",j);

j+=2;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i,j,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

{

printf("%d\n",j);

j-=2;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i,j,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

{

printf("%d\n",j);

j+=2;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i,j,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

{

printf("%d\n",j);

j-=2;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

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

return 0;

}

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

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

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

return 0;

}

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

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number: \n");

scanf("%d",&n);

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

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

return 0;

}