**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**

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

printf("MySirG\n");

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

printf("%d ",i);

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

printf("%d ",n+1-i);

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

printf("%d ",i\*2-1);

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

printf("%d ",(n\*2)-i\*2+1);

}\*/

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

{

printf("%d ",i\*2-1);

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

printf("%d ",i\*2);

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

printf("%d ",n\*2-i\*2+2);

}\*/

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

{

printf("%d ",i\*2);

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

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

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

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

}

}

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

**Ans-**

#include<stdio.h>

int main()

{

int i,n;

printf("Enter a Number ");

scanf("%d",&n);

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

{

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

}

}