**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.

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N number: ");

scanf("%d",&n);

while(i<=n)

{

printf("MySirG\n");

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number: ");

scanf("%d",&n);

while(i<=n)

{

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

i++;

}

return 0;

}

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

#include<stdio.h>

int main()

{

int i=1,n;

printf("Enter N natural number:\n ");

scanf("%d",&n);

printf("Table of %d\n",n);

while(i<=10)

{

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

i++;

}

return 0;

}