

iNeuron

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Course Name: **Job Ready Bootcamp in C++, DSA and IOT**

Assignment No: **5**

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

Program

```
#include<stdio.h>
int main()
{
    int n,i=1;
    printf("Enter a number:");
    scanf("%d",&n);
    while(i<=n)
    {
        printf("MySirG ");
        i++;
    }
    return 0;
}
```

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

Program

```
#include<stdio.h>
int main()
{
    int n,i;
    printf("Enter a number:");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        printf("%d ",i);
    }
    return 0;
}
```

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

Program

```
#include<stdio.h>
int main()
{
    int n,i=1;
    printf("Enter a number:");
    scanf("%d",&n);
    do
    {
        printf("%d ",n);
    }
```

```

        n--;
    }while(n>=i);
    return 0;
}

```

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

Program

```

#include<stdio.h>
int main()
{
    int n,i=1;
    printf("Enter a number:");
    scanf("%d",&n);
    while(i<=n)
    {
        printf("%d ",i);
        i=i+2;
    }
    return 0;
}

```

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

Program

```

#include<stdio.h>
int main()
{
    int n,i=1;
    printf("Enter a number:");
    scanf("%d",&n);
    while(n>=i)
    {
        if(n%2!=0)
            printf("%d ",n);
        n=n-1;
    }
    return 0;
}

```

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

Program

```

#include<stdio.h>
int main()

```

```

{
    int n,i;
    printf("Enter a number:");
    scanf("%d",&n);
    for(i=2;i<=n;i+=2)
    {
        printf("%d ",i);
    }
    return 0;
}

```

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

Program

```

#include<stdio.h>
int main()
{
    int n,i=1;
    printf("Enter a number:");
    scanf("%d",&n);
    do
    {
        if(n%2==0)
            printf("%d ",n);
        n--;
    }while(n>=i);
    return 0;
}

```

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

Program

```

#include<stdio.h>
int main()
{
    int n,i;
    printf("Enter a number:");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        printf("%d ",i*i);
    }
    return 0;
}

```

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

Program

```
#include<stdio.h>
int main()
{
    int n,i;
    printf("Enter a number:");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        printf("%d ",i*i*i);
    }
    return 0;
}
```

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

Program

```
#include<stdio.h>
int main()
{
    int n,i;
    printf("Enter a number:");
    scanf("%d",&n);
    for(i=1;i<=10;i++)
    {
        printf("%d * %d = %d\n",n,i,n*i);
    }
    return 0;
}
```