

Assignment-5

1. Write a program which accept number from user and print that number of \$ & * on screen.

```
#include<stdio.h>
```

```
void Pattern(int iNo)
```

```
{  
    int iCnt =0;
```

```
    if(iNo < 0)  
    {  
        iNo = -iNo;  
    }
```

```
    for(iCnt = 1; iCnt <= iNo; iCnt++)  
    {  
        printf("$\t ");  
        printf("*\t ");  
  
    }
```

```
    printf("\n");  
}
```

```
int main()
```

```
{  
    int iValue = 0;
```

```
    printf("Enter Number : \n");  
    scanf("%d",&iValue);
```

```
    Pattern(iValue);
```

```
    return 0;  
}
```

Output:

gcc A5Program1.c -o Myexe

1 ./Myexe

Enter Number :

5

\$ * \$ * \$ * \$ * \$ *

2 ./Myexe

Enter Number :

3

\$ * \$ * \$ *

3 ./Myexe

-3

\$ * \$ * \$ *

2. Write a program which accept number from user and print numbers till that number

```
#include<stdio.h>

void Display(int iNo)
{
    int iCnt = 0;

    for( iCnt = 1; iCnt <= iNo; iCnt++)
    {
        printf("%d\t",iCnt);
    }
    printf("\n");
}

int main()
{
    int iValue = 0;

    printf("Enter Number : \n");
    scanf("%d",&iValue);

    Display(iValue);

    return 0;

}
```

Output:

```
gcc A5Program2.c -o Myexe
```

1 ./Myexe

```
Enter Number :
```

```
8
```

```
1    2    3    4    5    6    7    8
```

3 .Write a program which accept number from user and print its numbers line.

```
#include<stdio.h>

void Display(int iNo)
{
    int iCnt = 0;

    for( iCnt = (-iNo); iCnt <= iNo; iCnt++)
    {
        printf("%d\t",iCnt);
    }
    printf("\n");
}

int main()
{
    int iValue = 0;

    printf("Enter Number : \n");
    scanf("%d",&iValue);

    Display(iValue);

    return 0;

}
```

Output:

```
gcc A5Program3.c -o Myexe
```

1 ./Myexe

```
Enter Number :
```

```
4
```

```
-4  -3  -2  -1  0  1  2  3  4
```

4. Write a program which accepts N from user and print all odd numbers up to N.

```
#include<stdio.h>

void OddDisplay(int iNo)
{
    int iCnt = 0;

    for(iCnt = 1; iCnt <= iNo; iCnt++)
    {
        if((iCnt % 2) != 0)
        {
            printf("%d\t",iCnt);
        }
    }

    printf("\n");
}

int main()
{
    int iValue = 0;

    printf("Enter Number : \n");
    scanf("%d",&iValue);

    OddDisplay(iValue);

    return 0;
}
```

Output:

gcc A5Program4.c -o Myexe

1 ./Myexe

Enter Number :

18

1 3 5 7 9 11 13 15 17

5. Write a program which accept N and Print first 5 Multiples of N.

```
#include<stdio.h>

void MultipleDisplay(int iNo)
{
    int iCnt = 0;

    int iResult = 0;

    for(iCnt = 1; iCnt <= 5; iCnt ++)
    {
        iResult= iNo * iCnt;
        printf("%d\t",iResult);

    }

    printf("\n");
}

int main()
{
    int iValue = 0;

    printf("Enter Number : \n");
    scanf("%d",&iValue);

    MultipleDisplay(iValue);

    return 0;
}
```

Output:

gcc A5Program5.c -o Myexe

1 ./Myexe

Enter Number :

4

4 8 12 16 20