**Assignment 2**

**Q.1** Write a program to take input from user and print Number of ‘\*’.

Ans.

#include<stdio.h>

void Display(int iNo)

{

    int iCnt=0;

    for(iCnt=1;iCnt<=iNo;iCnt++)

    {

        printf("\*\n");

    }

}

int main()

{

    int iNo=0;

    printf("Enter a number of iterations of \* :");

    scanf("%d",&iNo);

    Display(iNo);

    return 0;

}

**OUTPUT:**

Text

Description automatically generated

Q.2 Write A program to print ‘\*’ times user input number using while loop.

**Ans.**

#include<stdio.h>

void Display(int iNo)

{   int iCnt=0;

    while(iCnt<=iNo)

    {

        printf("\*\n");

        iCnt++;

    }

}

int main()

{

    int iVal=0;

    printf("Enter a number to iterate \*:");

    scanf("%d",&iVal);

    Display(iVal);

    return 0;

}

**OUTPUT:**

**Text

Description automatically generated**

Q.3 Write a program to accept one number from user and if N<10 print ”Hello!!!” or print “Demo..”.

Ans.

#include<stdio.h>

#include<stdbool.h>

int Display(int iVal)

{

    if (iVal<10){

        return true;

    }

}

int main()

{

    int iNo=0;

    printf("Enter a number:");

    scanf("%d",&iNo);

    int iRet=Display(iNo);

    if(iRet==true){

        printf("Hello..!!!");

    }

    else{

        printf("Demo...");

    }

    return 0;

}

**OUTPUT:**

**Text

Description automatically generated**

Q.4 Accept two number from user and display the first number times the second number.

**Ans.**

#include<stdio.h>

void Display(int iNo1, int iNo2)

{

    int iCnt=0;

    for(iCnt=1;iCnt<=iNo2;iCnt++)

    {

        printf("%d\t",iNo1);

    }

}

int main()

{

    int iVal1=0, iVal2=0;

    printf("Enter Number You want to print:\t");

    scanf("%d",&iVal1);

    printf("Enter Times of number you want to print:\t");

    scanf("%d",&iVal2);

    Display(iVal1,iVal2);

    return 0;

}

**OUTPUT:**

**Text

Description automatically generated**

Q.5 Accept number from user and check whether the number is even or odd.

Ans.

#include<stdio.h>

#include<stdbool.h>

bool Display(int iNo)

{

    if(iNo%2==0){

        return true;

    }

    else{

        return false;

    }

}

int main()

{

    int iVal=0;

    printf("Enter Number to check:\n");

    scanf("%d",&iVal);

   int iRet= Display(iVal);

   if(iRet==false){

    printf("%d is a odd number\n",iVal);

   }

   else{

    printf("%d is a even number\n",iVal);

   }

    return 0;

}

**OUTPUT:**

Text

Description automatically generated