Assignment:6

Q.1 Write a program to accept name and display it.
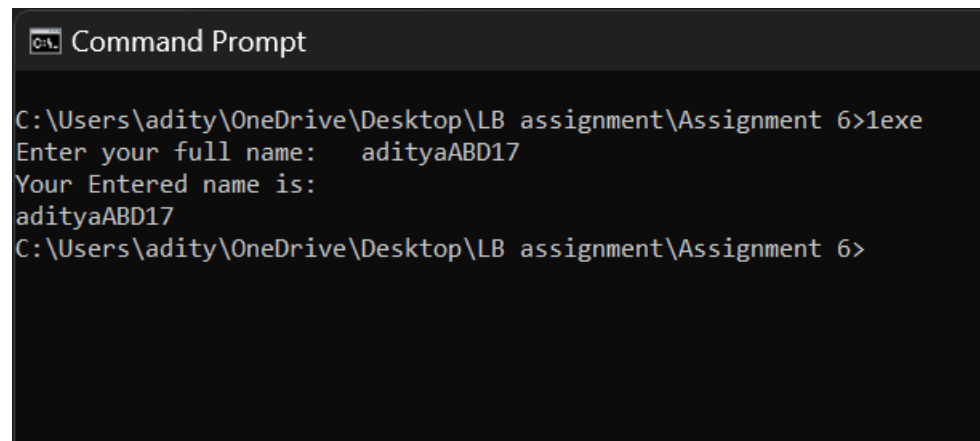
Ans.

```c
#include<stdio.h>

int main()
{
    char Name[30];

    printf("Enter your full name:\t");
    scanf("%s",&Name);

    printf("Your Entered name is:\n%s",Name);

    return 0;
}
```

OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>1exe
Enter your full name:    adityaABD17
Your Entered name is:
adityaABD17
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>
```

Q.2 Accept number from user and check it is grater than 100 or not.

Ans.

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

bool Greater(int iVal)
{
    if(iVal>100)
    {
        return true;
    }
    else
    {
        return false;
    }
}


int main()
{
    int iNo=0;

    printf("Enter a number to check greater than 100:\t");
    scanf("%d",&iNo);

    int iRet= Greater(iNo);

    if(iRet==true)
    {
        printf("%d is Greater than 100.",iNo);
    }
    else
    {
        printf("%d is smaller than 100.",iNo);
    }

    return 0;
}
```

OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>2exe
Enter a number to check greater than 100:      102
102 is Greater than 100.
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>2exe
Enter a number to check greater than 100:      99
99 is smaller than 100.
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>
```

Q.3 Accept two numbers and check they are equal.

Ans.

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

bool NumEqual(int iVal1,int iVal2)
{
    if(iVal1==iVal2)
    {
        return true;
    }
    else
    {
        return false;
    }
}

int main()
{
    int iNo1=0, iNo2=0;

    printf("Please Enter two numbers:\n");
    scanf("%d %d",&iNo1,&iNo2);
```
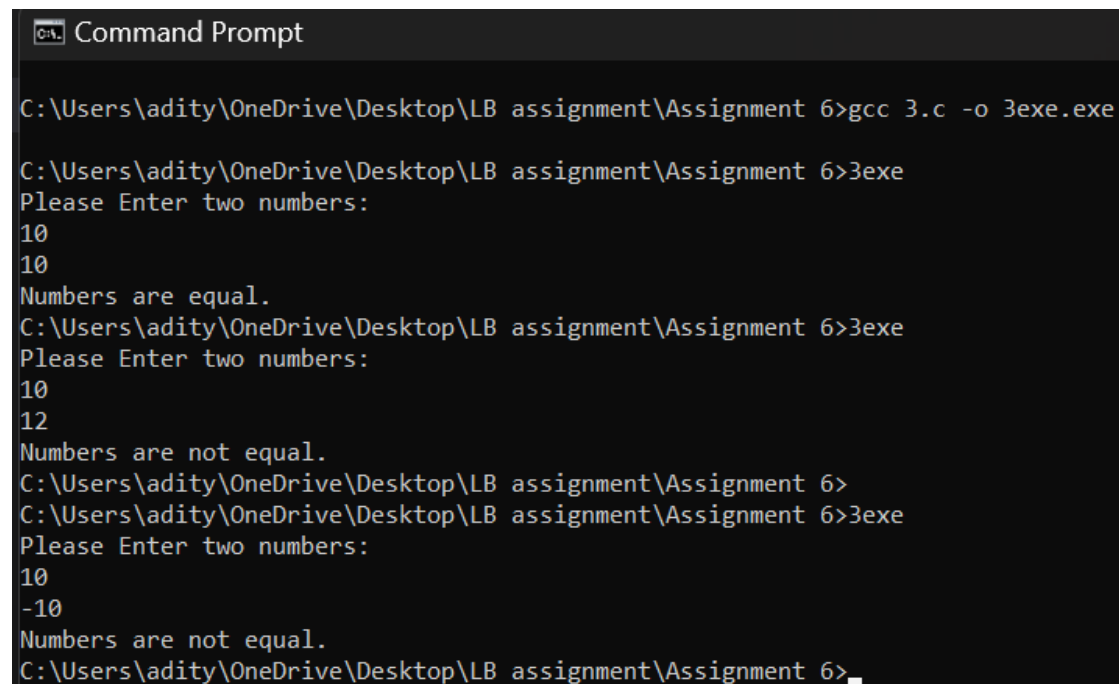
```c
    int iRet=NumEqual(iNo1,iNo2);

    if(iRet==true)
    {
        printf("Numbers are equal.");
    }

    else
    {
        printf("Numbers are not equal.");
    }

    return 0;
}
```

OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>gcc 3.c -o 3exe.exe

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>3exe
Please Enter two numbers:
10
10
Numbers are equal.
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>3exe
Please Enter two numbers:
10
12
Numbers are not equal.
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>3exe
Please Enter two numbers:
10
-10
Numbers are not equal.
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>
```

Q.4 Accept three numbers and display their multiplication.

Ans.

```c
#include<stdio.h>

int Mult(int iVal1,int iVal2,int iVal3)
{
    int iAns=0;

 if(iVal1||iVal2||iVal3==0)
{
    if(iVal1==0)
    {
     iVal1=1;
    }
    if(iVal2==0)
    {
     iVal2=1;
    }
    if(iVal3==0)
    {
     iVal3=1;
    }
}
    iAns=iVal1*iVal2*iVal3;

    return iAns;
}

int main()
{
    int iNo1=0,iNo2=0,iNo3=0;

    printf("Enter Three numbers:\n");
    scanf("%d %d %d",&iNo1,&iNo2,&iNo3);

    if(iNo1==0 && iNo2==0 && iNo3==0)
    {
        printf("Multiplication of numbers is:%d",0);
        return 0;
    }
```

```
    else
    {
        int iRet=Mult(iNo1,iNo2,iNo3);
        printf("Multiplication of numbers is:%d",iRet);
    }

    return 0;
}
```

OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>4exe
Enter Three numbers:
5
4
7
Multiplication of numbers is:140
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>4exe
Enter Three numbers:
5
0
7
Multiplication of numbers is:35
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>4exe
Enter Three numbers:
5
0
0
Multiplication of numbers is:5
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>4exe
Enter Three numbers:
0
0
0
Multiplication of numbers is:0
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>
```

Q.5 Accept Total marks, obtained marks and calculate percentage

Ans.

```
#include<stdio.h>

float Percentage(int iTotal,float iVal)
{
    float fAns=(iVal/iTotal)*100;

    return fAns;
```

```c
}

int main()
{
    char cSub[15];
    int iTotal=0;
    int iMarks=0;

    printf("Enter Name of the subject:\n");
    scanf("%s",&cSub);

    printf("Enter total marks for %s:\t",cSub);
    scanf("%d",&iTotal);

    printf("Enter obtained marks for %s:\t",cSub);
    scanf("%d",&iMarks);

    float fRet=Percentage(iTotal,iMarks);

    printf("Obtained marks for %s is %d \n percentage is:
%f",cSub,iMarks,fRet);

    return 0;

}
```
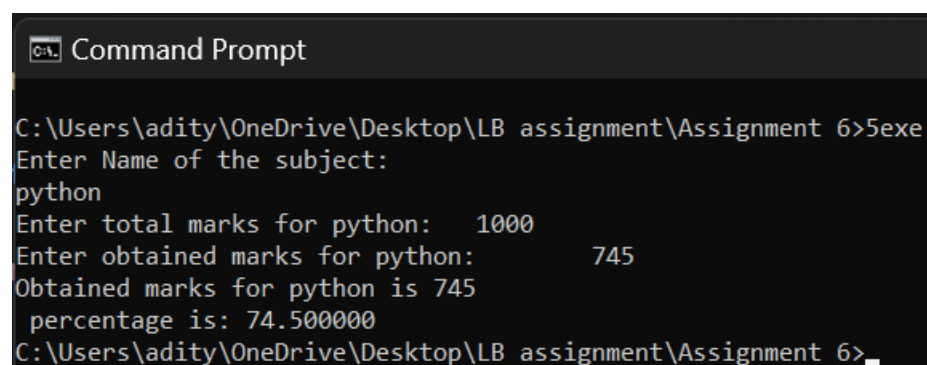
OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>5exe
Enter Name of the subject:
python
Enter total marks for python:    1000
Enter obtained marks for python:        745
Obtained marks for python is 745
 percentage is: 74.500000
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 6>
```