```
Title- 1.Write a C++ program to find power of any number x^y
Author- Bhakare Mahesh Santosh
ID- 492
Batch- TechnOrbit(PPA-8)
#include<iostream>
int main()
    int i,x,y,power=1;
    std::cout<<"Please Enter X: ";</pre>
    std::cin>>x;
    std::cout<<"Please Enter Power Y: ";</pre>
    std::cin>>y;
    for(i=0;i<y;i++)</pre>
    {
        power*=x;
    }
    std::cout<<x<"^"<<y<<" = "<<power<<std::endl;
    return 0;
}
Title- 2.Write a C++ program to check valid email id using character array.
Author- Bhakare Mahesh Santosh
ID- 492
Batch- TechnOrbit(PPA-8)
#include<iostream>
int main()
{
    char arr[100],i,flag=0;
    std::cout<<"Enter EmailID: ";</pre>
    fgets(arr, 100, stdin);
    for(i=0;arr[i]!='\0';i++)
    {
        if(arr[i] == '@')
            flag = 1;
            break;
        }
    if(flag == 1)
        std::cout<<"Valid Email ID.....!"<<std::endl;</pre>
    }
    else
    {
        std::cout<<"Invalid Email ID.....!"<<std::endl;</pre>
    return 0;
}
Title- 3.Write a C++ program to convert days into years, weeks and days
Author- Bhakare Mahesh Santosh
ID- 492
Batch- TechnOrbit(PPA-8)
*/
#include<iostream>
```

```
int main()
    int days,year,weeks,day;
    std::cout<<"Enter Days: ";</pre>
    std::cin>>days;
    year = days/365;
    weeks = (days-(year*365))/7;
    day = ((days - (year*365)) + (weeks*7));
    std::cout<<"Years: "<<year<<" Weeks: "<<weeks<<" Days: "<<day<<std::endl;
    return 0;
}
Title- 4.Write a C++ program Fibonacci number How to find out if a given number is a
Fibonacci number or not.
Author- Bhakare Mahesh Santosh
ID- 492
Batch- TechnOrbit(PPA-8)
#include<iostream>
int main()
    int num,i=0,j=1,k,flag=0;
    std::cout<<"Enter Number to Find in Febonicii Series: ";</pre>
    std::cin>>num;
    if(num==0)
    {
        flag =1;
    }
    else
    {
        while(1)
            k=i;
            i=i+j;
            if(i \le num)
                 if(i == num)
                 {
                     flag = 1;
                     break;
                 }
            }
            else
            {
                 break;
            j=k;
        }
    if(flag == 1)
    {
        std::cout<<"Valid.....!"<<std::endl;</pre>
    }
    else
    {
        std::cout<<"Invalid.....!"<<std::endl;</pre>
    }
    return 0;
}
/*
```

```
Title- 5.Write a C++ program to find the last occurrence position of the number in the
given array
Author- Bhakare Mahesh Santosh
ID- 492
Batch- TechnOrbit(PPA-8)
#include<iostream>
int main()
{
    int arr[10],i,pos,num;
std::cout<<"Enter array Emements: ";</pre>
    for(i=0;i<10;i++)</pre>
    {
         std::cin>>arr[i];
    }
    std::cout<<"Enter number to find last occurence: ";</pre>
    std::cin>>num;
    for(i=0;i<10;i++)</pre>
         if(arr[i]==num)
             pos = i;
    std::cout<<"Last occurence position of number is: "<<pos<<std::endl;</pre>
    return 0;
}
```