

**PROGRAM :**

**1. Given two numbers, Swap those two numbers without using temporary variable**

**CODE :**

```
#include<stdio.h>

int main(){

    int num1=10,num2=20;

    int temp;

    temp=num1;

    num1=num2;

    num2=temp;

    printf("num1 = %d\nnum2 = %d",num1,num2);

    return 0;

}
```

**2. Calculate the number of years, weeks and the remaining days for the given total days**

**CODE :**

```
#include<stdio.h>

int main(){

    int days=475;

    int NO_OF_COMPLETE_YEARS=days/365;

    int NO_OF_WEEKS_LEFTOUT=(days%365)/7;

    int NO_OF_DAYS_LEFTOUT=(days%365)%7;

    printf("Number of years:%d",NO_OF_COMPLETE_YEARS);

    printf("\nNumber of weeks:%d",NO_OF_WEEKS_LEFTOUT);

    printf("\nNumber of days:%d",NO_OF_DAYS_LEFTOUT);

    return 0;

}
```

**3. Evaluate a polynomial of degree n.**

**CODE :**

```
#include <stdio.h>

int main() {

    int deg,coeff,x;
```

```
int i;
int array[20];
printf("Enter the degree of the polynomial:");
scanf("%d",&deg);
printf("\nEnter the coefficient:");
for (i = 0; i <= deg; i++)
{
    scanf("%d", &array[i]);
}
printf("\nEnter the value of x:");
scanf("%d",&x);
int polySum = array[0];
for (i = 1; i <= deg; i++)
{
    polySum = polySum * x + array[i];
}
printf("P(%d)",polySum);
return 0;
}
```