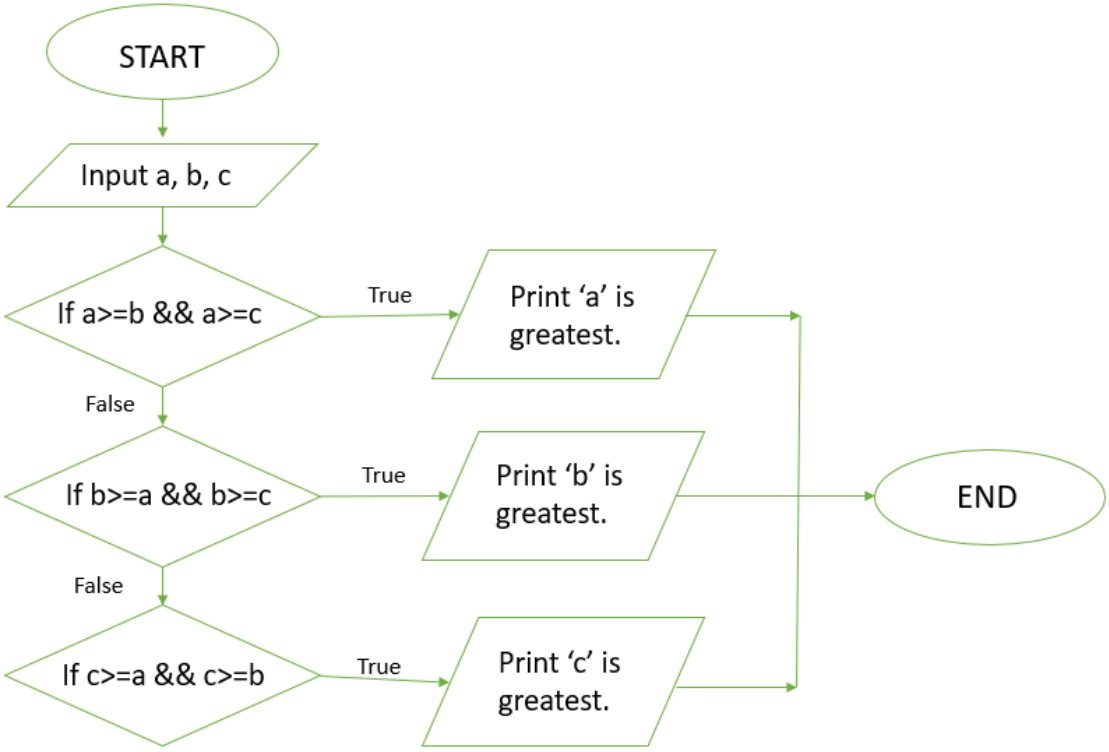
Program 1: (a) Find greatest of 3 numbers entered by user

ALGORITHM

1. Accept 3 input values from the user as a , b and c.
2. Using ‘a’ if statement check whether a>b && a>c If the condition is true, print a as the greatest number.
3. If the condition is not true, use a second if statement to check whether b>c && b>a. If the condition is true, print b as the greatest number.
4. Similarly apply condition with if statement to get c printed as greatest no.

FLOWCHART



CODE

```
#include <stdio.h>

int main() {
     double a,b,c;
    printf("Enter the numbers");
    scanf("%lf %lf %lf",&a,&b,&c);

    if(a>=b && a>=c);
    printf("The largest number is %.2lf",a);
    if(b>=a && b>=c);
    printf("The largest number is %.2lf",b);
    if(c>=a && c>=b);
    printf("The largest number is %.2lf",c);
    return 0;
}
```

OUTPUT

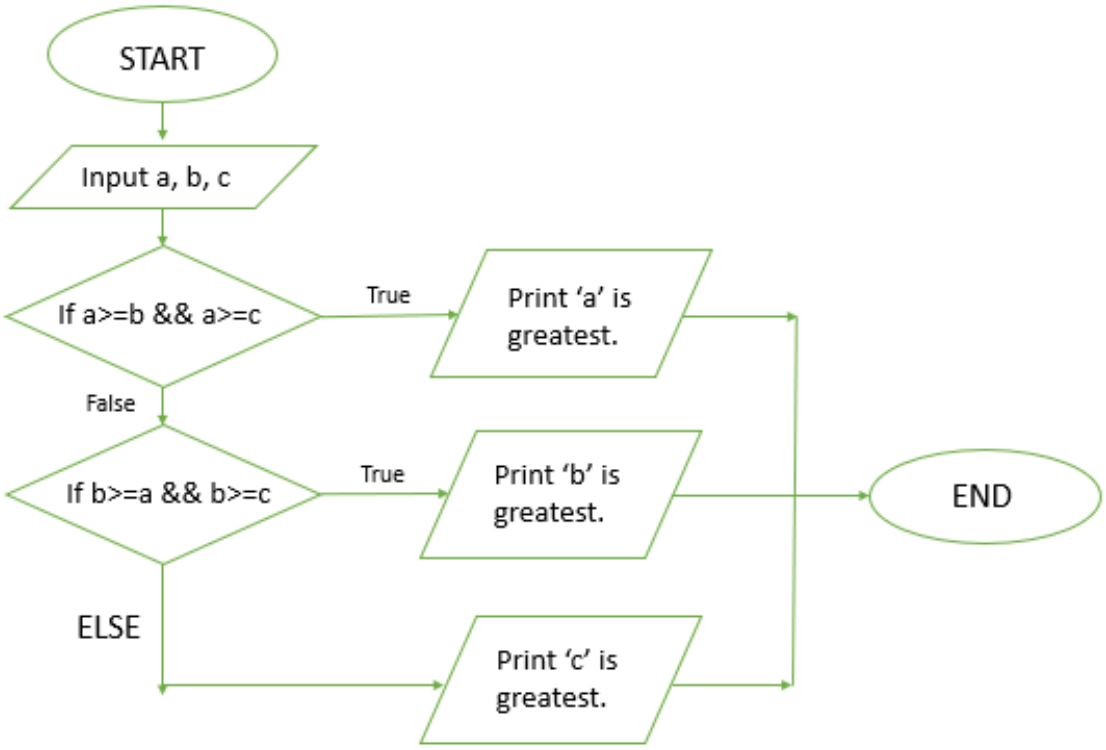
```
Enter the numbers 456 567 678
456 567 678
The largest number is 678.00
```

Program 1: (b) Using If-Else

ALGORITHM

1. Accept 3 input values from the user as a, b and c.
2. Using ‘a’ if statement check whether a>b && a>c If the condition is true,
3. print a as the greatest number.
4. 3. If the condition is not true, use a else if statement to check whether b>c && b>a. If the condition is true, print b as the greatest number.
5. Apply condition with else statement to get c printed as greatest number.

FLOWCHART



CODE

```
#include <stdio.h>

int main() {
    double a,b,c;
    printf("Enter three numbers");
    scanf("%lf %lf %lf",&a,&b,&c);

    if(a>=b && a>=c)
    {printf("The greatest number is %.2lf",a);
    }

   else
   if(b>=c && b>=a)
   {printf("The greatest number is %.2lf",b);
   }

   else
   {printf("The greatest number is %.2lf",c);
   }

    return 0;
}
```

OUTPUT

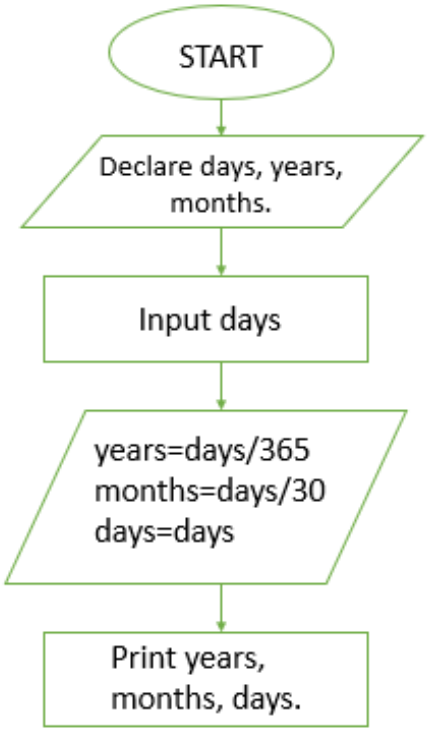
Enter three numbers 45 52 36
45 52 36
The greatest number is 52

Program 2: (a) Convert number of days into years, months, weeks.

ALGORITHM

1. Declare variable days, years, months.
2. Input value of days from user.
3. Years=Days/365.
4. Months= Days/30.
5. Days = Days
6. Print number of years, months, days.

FLOWCHART



CODE

```
#include <stdio.h>

int main() {
    int days,months,years;
    printf("Enter no. of days:");
    scanf("%d",&days);

years=days/365;
months=days/30;
days=days;

printf("Number of years: %d/n", years);
printf("Number of months: %d/n", months);
printf("Number of days: %d/n", days);
   return 0;
}
```

OUTPUT

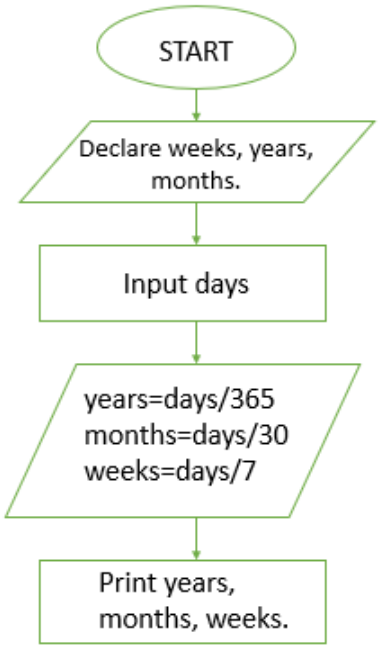
```
Enter the no. of days: 365
Number of years: 1
Number of months: 12
Number of days: 365
```

Program 2: (b) Convert number of days into years, months and weeks

ALGORITHM

1. Declare variable days, years, months, weeks.
2. Input value of days from user.
3. Years=Days/365.
4. Months= Days/30.
5. Weeks = Days/7
6. Print number of years, months, weeks.

FLOWCHART



CODE

```
#include <stdio.h>

int main() {
     int days,months,years;
     printf(“Enter no. of days:”);
     scanf(“%d”,&days);

years=days/365;
months=days/30;
weeks=days/7;

printf(“Number of years: %d/n”, years);
printf(“Number of months: %d/n”, months);
printf(“Number of weeks: %d/n”, weeks);
    return 0;
}
```

OUTPUT

```
Enter the no. of days: 365
Number of years: 1
Number of months: 12
Number of weeks: 52
```