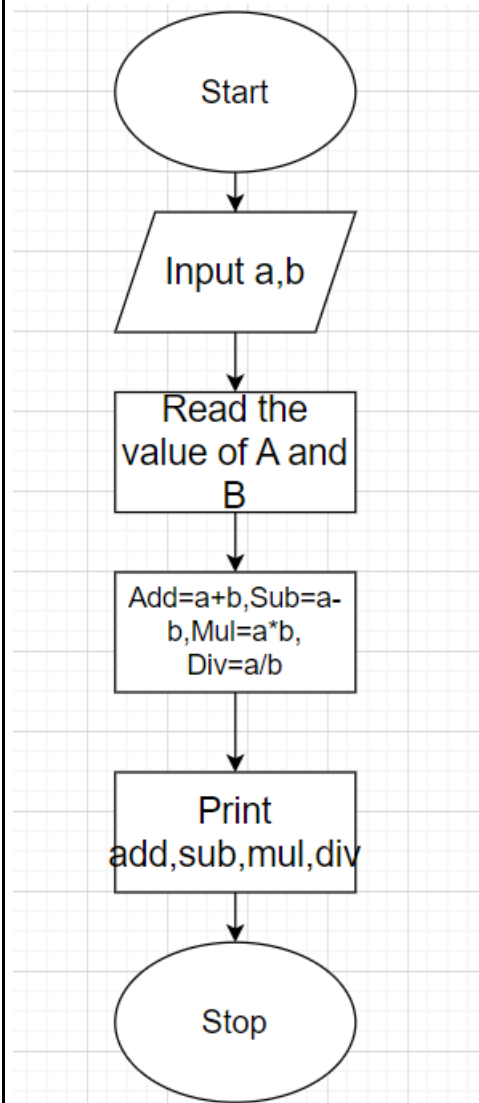


Name	Debjit Ghosal
UID no.	2023300065
Experiment No.	Experiment 1

AIM:	Use the formatted input/output statements, operators and expressions of C language
Program 1	
PROBLEM STATEMENT :	Write a C program to input 2 numbers. Perform addition, subtraction, multiplication, division and modulus and display output.
ALGORITHM:	Step 1: Start Step2:Take input as a and b Step3:Read the value of a and b Step 4:Perform addition, subtraction, multiplication and division Step 5: Stop

FLOWCHART:**PROGRAM:**

```
#include<stdio.h>
int main()
{
    int a,b;
    printf("Enter Value of A and B :");
    scanf("%d %d",&a,&b);

    printf("a+b=%d \n",a+b);
    printf("a-b=%d \n",a-b);
    printf("a*b=%d \n",a*b);
    printf("a/b=%f", (float)a/b);
}
```

	<pre>return 0;</pre>
--	----------------------

RESULT:

```

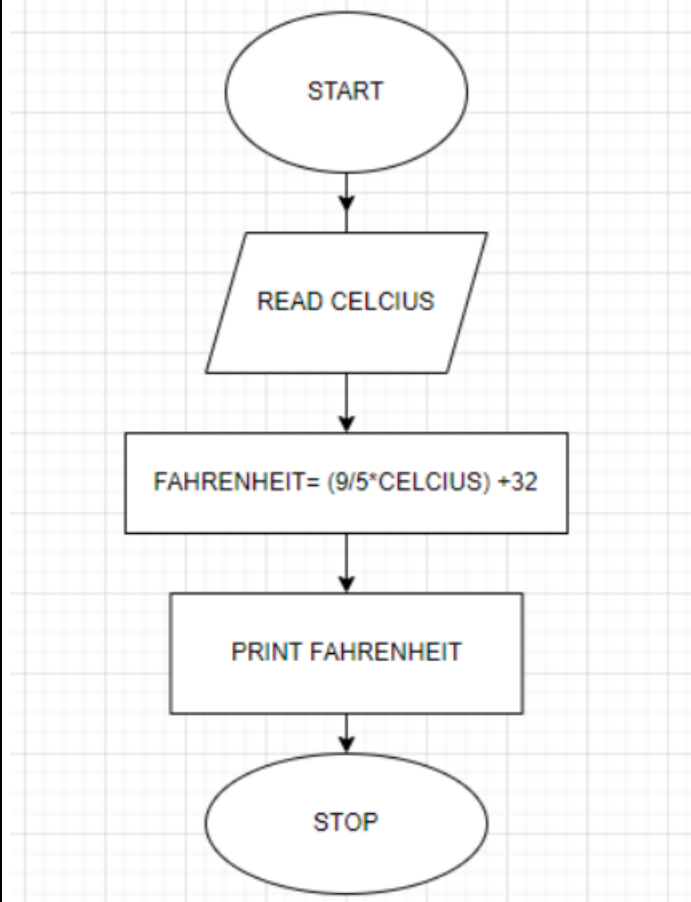
Windows PowerShell
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PS C:\Users\DEBJIT GHOSAL\Desktop> gcc calcii.c
PS C:\Users\DEBJIT GHOSAL\Desktop> ./a
Enter Value of A and B :10 20
a+b=30
ab=-10
a*b=200
a/b=0.500000
PS C:\Users\DEBJIT GHOSAL\Desktop>

```

Program 2	
PROBLEM STATEMENT :	WAP to Convert Celsius to Fahrenheit. Answer should be rounded upto 2 decimal places.
ALGORITHM:	Step 1: Start Step 2: Read celcius Step 3: Read F= (cel*9/5)+32 Step 4: Display the temperature in Fahrenheit Step5 :Stop

FLOWCHART:**PROGRAM:**

```
#include <stdio.h>
int main()
{
float cel,faren;
printf("Enter temerature in Celcius : ");
scanf("%f",&cel);
faren=(cel*9/5)+32;
printf("The Temperature in Fahrenheit is %.2f",faren);

return 0;
}
```

RESULT:

```
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PS C:\Users\DEBJIT GHOSAL\Desktop> gcc temp.c
PS C:\Users\DEBJIT GHOSAL\Desktop> ./a
Enter temerature in Celcius : 50
The Temperature in Fahrenheit is 122.00
PS C:\Users\DEBJIT GHOSAL\Desktop> |
```

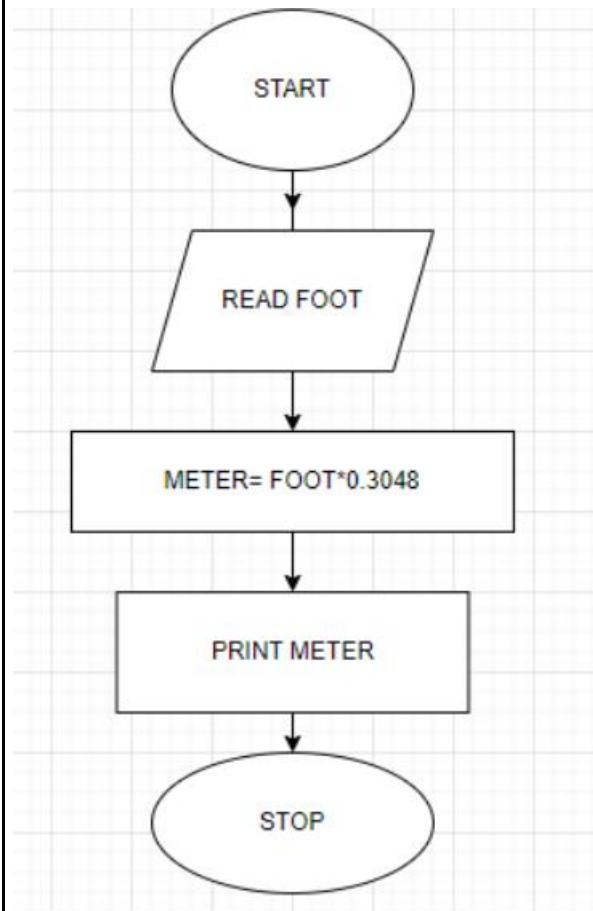
Program 3

PROBLEM STATEMENT:

WAP to Convert Foot to Meter. Answer should be rounded upto 3 decimal places.

ALGORITHM:

Step1: Start
Step2:read foot
Step3:declare x in feet
Step4: meter = foot/0.3048
Step5:display the meter upto 3 decimals
Step6:Stop

FLOWCHART:**PROGRAM:**

```
#include<stdio.h>
int main()
{
    float foot,meter;
    printf("Enter foot : ");
    scanf("%f",&foot);
    meter = foot/0.3048;
    printf("The Foot in Meter is %.3f",meter);
    return 0;
}
```

RESULT:

```
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PS C:\Users\DEBJIT GHOSAL\Desktop> gcc meterr.c
PS C:\Users\DEBJIT GHOSAL\Desktop> ./a
Enter foot : 39
The Foot in Meter is 127.953
PS C:\Users\DEBJIT GHOSAL\Desktop>
```

Program 4

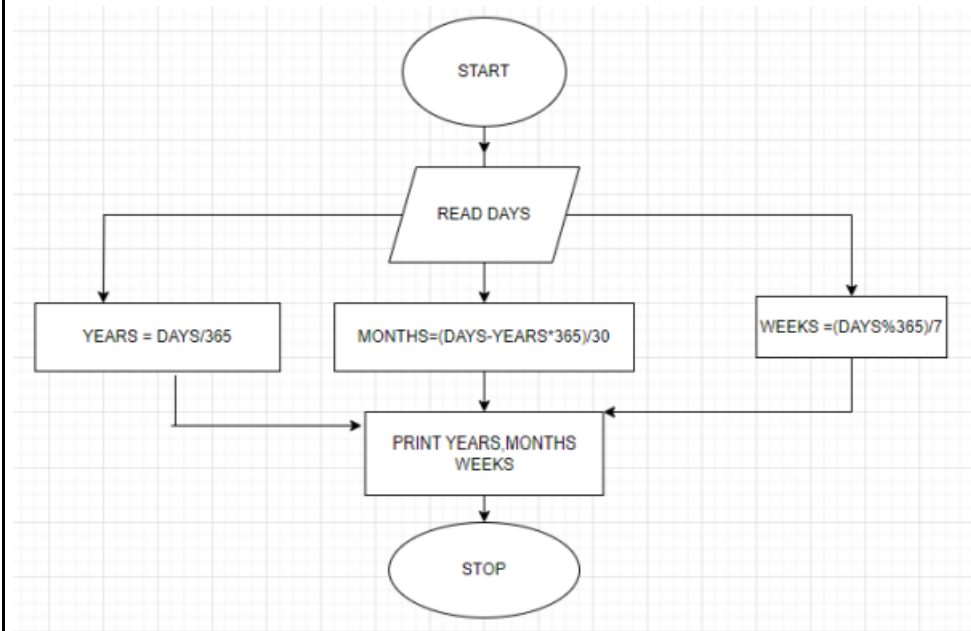
PROBLEM STATEMENT:

Write a C program to convert days into year, month and days.

ALGORITHM:

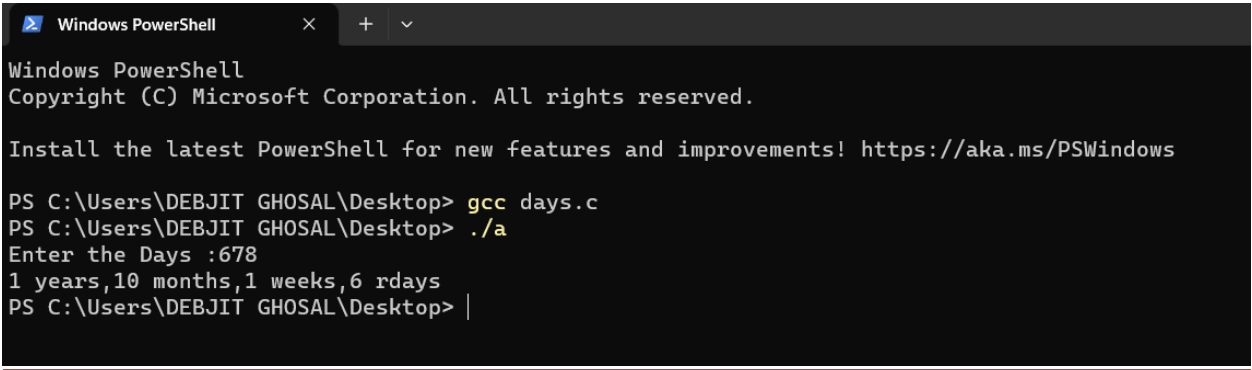
Step1:Start
Step2:Read days,years,months,weeks,rdays
Step3: using the formula $\text{years}=(\text{days}/365)$, $\text{months}=(\text{days}-\text{years}*365)/30$, $\text{weeks}=(\text{days}\%365\%30)/7$, $\text{rdays}=\text{days}-(\text{years}*365)-(\text{months}*30)-(\text{weeks}*7)$
Step4: display in years,months,weeks,rdays
Step5: Stop

FLOWCHART:



--	--

PROGRAM:	<pre>#include <stdio.h> int main(){ int days,years,months,weeks,rdays; printf("Enter the Days :"); scanf("%d",&days); years=(days/365); months=(days-years*365)/30; weeks=(days%365%30)/7; rdays= days-(years*365)-(months*30)-(weeks*7); printf("%d years,%d months,%d weeks,%d rdays",years,months,weeks,rdays); return 0; }</pre>
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

RESULT:	 <pre>Windows PowerShell Copyright (C) Microsoft Corporation. All rights reserved. Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows PS C:\Users\DEBJIT GHOSAL\Desktop> gcc days.c PS C:\Users\DEBJIT GHOSAL\Desktop> ./a Enter the Days :678 1 years,10 months,1 weeks,6 rdays PS C:\Users\DEBJIT GHOSAL\Desktop> </pre>
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Program 5

PROBLEM STATEMENT:	
ALGORITHM:	

FLOWCHART:	
PROGRAM:	
RESULT:	
CONCLUSION:	