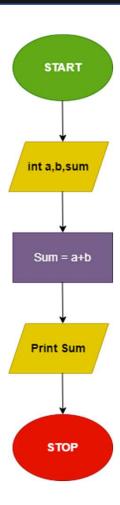
Program To find a sum of two number

```
#include<stdio.h>
   int main()
       int a,b,sum;
       printf("Enter no 1: ");
       scanf("%d",&a);
       printf("Enter no 2: ");
10
       scanf("%d",&b);
11
       sum=a+b;
12
13
       printf("Sum = %d",sum);
14
15
       return 0;
```

Program To find a sum of two number

- 1. Start
- 2. Read a,b,sum
- 3. Sum=a+b
- 4. Display the result of sum
- 5. stop

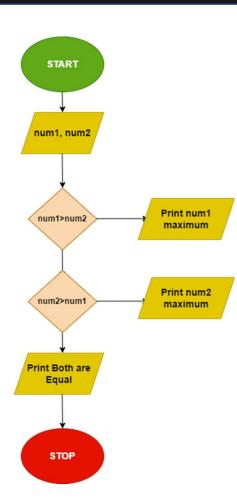


Program To find maximum between two numbers

```
#include <stdio.h>
4 int main()
       printf("Enter two numbers: ");
       scanf("%d%d", &num1, &num2);
       if(num1 > num2)
           printf("%d is maximum", num1);
       if(num2 > num1)
          printf("%d is maximum", num2);
       if(num1 == num2)
           printf("Both are equal");
```

Program To find maximum between two numbers

- 1. Start
- 2. Read num1 and num2
- 3. If num1>num2 print maximum is num1
- 4. If num2>num1 print maximum is num2
- 5. If step 3 & step 4 False then print both are equal
- 6. stop

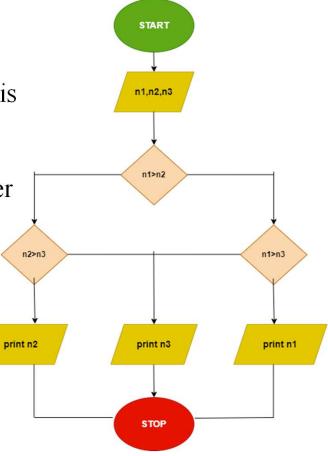


Program To find maximum between three number

```
printf("Enter three numbers: ");
      printf("Maximum among all three numbers = %d", max);
```

Program To find maximum between three number

- 1. Start
- 2. Read a,b,c
- 3. If a>b and a>c then print a is greater Else Print C is greater
- 4. If b>c then print B is greater Else Print C is greater
- 5. Stop

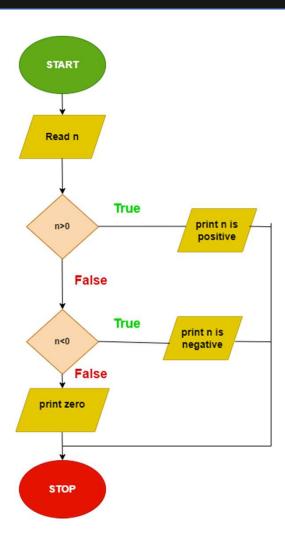


Program To check whether a number is positive, negative or zero

```
2 #include <stdio.h>
4 int main()
       printf("Enter any number: ");
      scanf("%d", &n);
      if(n > 0)
           printf("Number is POSITIVE");
      if(n < 0)
           printf("Number is NEGATIVE");
       if(n == 0)
           printf("Number is ZERO");
```

Program To check whether a number is positive, negative or zero

- 1. Start
- 2. Read n
- 3. If n>0 then print the number is positive
- 4. If n<0 print the number is negative
- 5. If above step 3 and step 4 false then print the number is zero
- 6. Stop

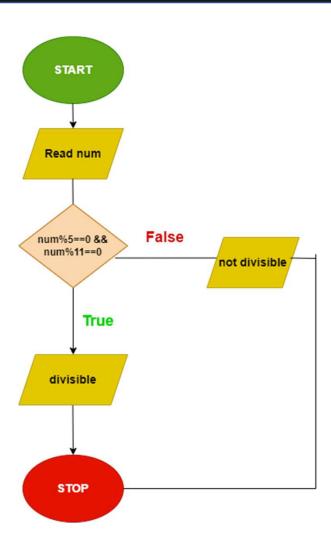


Program To check whether a number is divisible by 5 and 11 or not

```
#include <stdio.h>
   int main()
       printf("Enter any number: ");
       scanf("%d", &num);
       if((num % 5 == 0) && (num % 11 == 0))
           printf("Number is divisible by 5 and 11");
       else
           printf("Number is not divisible by 5 and 11");
       return 0;
```

Program To check whether a number is divisible by 5 and 11 or not

- 1. Start
- 2. Read n
- 3. Check the number is divisible by 5 and 11
- 4. Print or display result
- 5. Stop

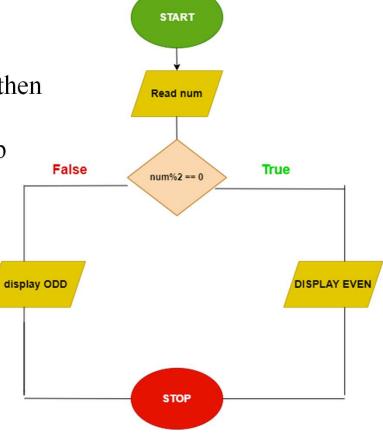


Program To check a whether a number is even or odd

```
2 #include <stdio.h>
  int main()
      printf("Enter any number to check even or odd: ");
      scanf("%d", &num);
      if(num % 2 == 0)
          printf("Number is Even.");
       else
           printf("Number is Odd.");
       return 0;
```

Program To check a whether a number is even or odd

- 1. Start
- 2. Read num
- 3. If num is divisible by 2 then go to step 4 else stop
- 4. Display "Even" and stop
- 5. Display "Odd" and stop
- 6. Stop



Program To check a leap year

```
2 #include <stdio.h>
4 int main()
       int year;
       printf("Enter year : ");
       scanf("%d", &year);
       if(((year % 4 == 0) && (year % 100 !=0)) || (year % 400==0))
           printf("LEAP YEAR");
       else
           printf("COMMON YEAR");
```

Program To check a leap year

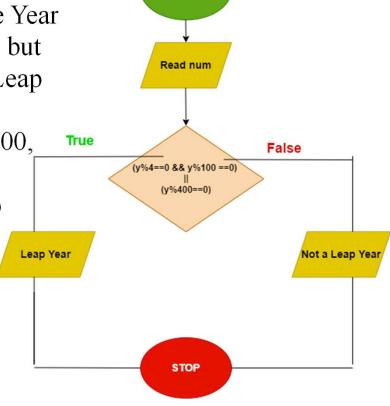
Algorithm

- 1. Start
- 2. Read a Integer Variable Year
- 3. If year is divisible by 4 but not 100 then display "Leap Year"

4. If year is divisible by 400, Display "Leap Year"

5. Else display "Not Leap Year"

6. Stop



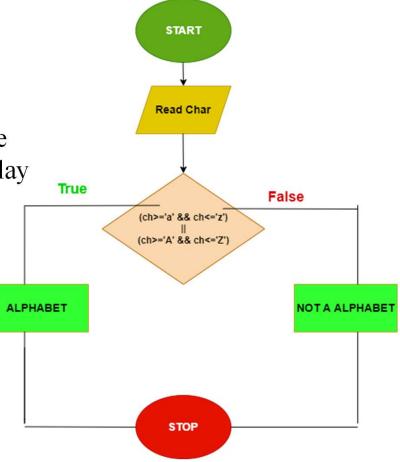
START

Program To check whether a character is alphabet or not

```
• • •
2 #include <stdio.h>
4 int main()
      printf("Enter any character: ");
       scanf("%c", &ch);
       if((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z'))
           printf("Character is an ALPHABET.");
       else
           printf("Character is NOT ALPHABET.");
       return 0;
```

Program To check whether a character is alphabet or not

- 1. Start
- 2. Read Character
- 3. If the ASCII Value of a character, is in under the (a-z) or (A-Z) then display "ALPHABET"
- 4. Otherwise display "Not ALPHABET"
- 5. Stop

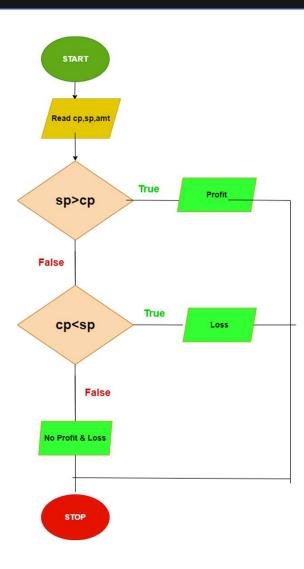


Program to calculate profit or loss

```
2 #include <stdio.h>
3 int main()
       printf("Enter cost price: ");
       scanf("%d", &cp);
       printf("Enter selling price: ");
       scanf("%d", &sp);
       if(sp > cp)
           printf("Profit = %d", amt);
       else if(cp > sp)
           printf("Loss = %d", amt);
           printf("No Profit No Loss.");
```

Program to calculate profit or loss

- 1. Start
- 2. Read cp, sp, am
- 3. If cp>sp print profit
- 4. If cp<sp print LOSS
- 5. If both sp==cp print No profit and no Loss
- 6. Store the result into a new variable
- 7. Display the value of that variable as a final result
- 8. Stop



Program To enter a student marks and find percentage and grade

```
. .
2 #include <stdio.h>
3 int main()
8 printf("Enter five subjects marks: ");
      scanf("%d%d%d%d%d", &phy, &chem, &bio, &math, &comp);
          printf("Grade B");
          printf("Grade C");
          printf("Grade D");
          printf("Grade E");
          printf("Grade F");
```

Program To enter a student marks and find percentage and grade

Algorithm

- 1. Start
- 2. Read the marks of 5 subject
- 3. Calculate the percentage
- 4. Check the condition

1.
$$P > = 90\% = A$$

2.
$$P >= 80\% \|< 90\% = B$$

3.
$$P > = 70\% \| < 80\% = C$$

6.
$$P > = 40\% || < 50\% = P$$

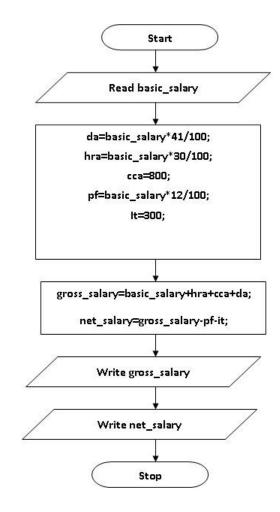
5. Stop

program to enter basic salary and calculate gross salary of an employee

```
. .
2 #include <stdio.h>
4 int main()
       float basic, gross, da, hra;
       printf("Enter basic salary of an employee: ");
       scanf("%f", &basic);
       if(basic <= 10000)
           da = basic * 0.8;
       else if(basic <= 20000)
       printf("GROSS SALARY OF EMPLOYEE = %.2f", gross);
```

program to enter basic salary and calculate gross salary of an employee

- 1. Start
- 2. Read basic, gross, da, hra
- 3. Check the condition
 - 1. If basic <=10000 then calculate da and hra accordingly, if not then go to step 4
- 4. If basic <=20000 Then calculate da and hra accordingly, if not then go to step 5
- 5. If basic >20000 then calculate da and hra accordingly
- 6. After finding hra and da calculate the gross = basic + hra + da
- 7. Display the gross
- 8. stop



program to enter basic salary and calculate gross salary of an employee

- 1. Input basic salary of employee. ...
- If basic_salary <= 10000 then, hra = basic_salary * 0.8 and da = basic_salary * 0.2 .
- 2. Similarly check basic salary and compute hra and da accordingly.
- Calculate final gross salary using formula gross_salary = basic_salary + da + hra .

