MODULE: 3.1 (C Language Fundamental)

Name :- Aarohi

• Display This Information using printf 1. Your Name 2. Your Birth date 3. Your Age 4. Your Address

ANS :-

#include<stdio.h>

int main()

{

printf("Aarohi Gadhavi\n");

printf("My Birthday Is 25-7-2000\n");

printf("My Age Is 23\n");

printf("My Address- Botad\n");

}

OUTPUT :-

Aarohi Gadhavi

My Birthday Is 25-7-2000

My Age Is 23

My Address- Botad

• Write a program to make Simple calculator (to make addition, subtraction, multiplication, division and modulo)

ANS:-

#include<stdio.h>

int main()

{

char operator;

int num1, num2,ans;

printf("Enter any one operator like , +,-,\*,/,% :");

scanf("%c",&operator);

printf("Enter The First Number:");

scanf("%d",&num1);

printf("Enter The Second Number:");

scanf("%d",&num2);

switch(operator)

{

case '+':

ans=num1+num2;

break;

case '-':

ans=num1-num2;

break;

case '\*':

ans=num1\*num2;

break;

case '/':

ans=num1/num2;

break;

case '%':

ans=num1%num2;

break;

default:

printf("Invalid Opretor");

}

printf("Ans Is %d",ans);

}

OUTPUT :-

Enter any one operator like , +,-,\*,/,:\*

Enter The First Number:3

Enter The Second Number:4

Ans Is 12

• WAP to find area of circle, rectangle and triangle

ANS :-

#include<stdio.h>

int main()

{

float radius, area, PI=3.14;

printf("Enter radius of circle:");

scanf("%f", &radius);

area=PI \*radius \* radius;

printf("Area of circle: %f" , area);

return 0 ;

}

OUTPUT :-

Enter radius of circle:5

Area of circle: 78.500000

ANS :-

#include<stdio.h>

int main()

{

int lenght,width,area;

printf("Enter Lenght:");

scanf("%d", &lenght);

printf("Enter Width");

scanf("%d", &width);

area=lenght\*width;

printf("area is: %d", area);

return 0 ;

}

OUTPUT :-

Enter Lenght:5

Enter Width4

area is: 20

ANS:-

#include<stdio.h>

int main()

{

int base, hight, area;

printf("Enter The Base:");

scanf("%d", &base);

printf("Enter The Hight:");

scanf("%d", &hight);

area=base\*hight/2;

printf("area is: %d",area);

return 0 ;

}

OUTPUT :-

Enter The Base:5

Enter The Hight:5

area is: 12

• WAP to find simple interest

ANS :-

#include<stdio.h>

main()

{

float p,t,r,total;

printf("\nenter amount :");

scanf("%f",&p);

printf("\nenter time in year :");

scanf("%f",&t);

printf("\nenter rate percent:");

scanf("%f",&r);

total=p\*r\*t/100;

printf("\ntotal interest=%0.f",total);

}

OUTPUT:-

enter amount :100000

enter time in year :1

enter rate percent:1

total interest=1000

• WAP to check if the given year is a leap year or not.

ANS:-

#include<stdio.h>

int main()

{

int year;

printf("Enter The Year:");

scanf("%d", &year);

if(year%400==0 && year%100==0 || year%4==0)

{

printf("%d, The Year Is Leap Year");

}else

{

printf("%d, The Year Is Not Leap Year");

}

return 0 ;

}

OUTPUT :-

Enter The Year:2004

5, The Year Is Leap Year

• WAP to convert years into days and days into years

ANS:-

#include<stdio.h>

int main()

{

int days, years,day,year;

printf("Enter The Year:");

scanf("%d", &years);

days=years \* 365 ;

printf("Number Of Days Is %d", days);

printf("\nEnter The Days");

scanf("%d", &day);

year= day / 365 ;

printf("Number Of Year Is %d", year);

return 0;

}

OUTPUT:-

Enter The Year:5

Number Of Days Is 1825

Enter The Days365

Number Of Year Is 1