1. **Execute a program to display text**

#include<stdio.h>

Void main()

{

Printf(“Hello World \n”);

}

1. **Executed a program to perform Arithmetic operations (+,-,\*,/)**

#include <stdio.h>

int main()

{

int first, second, add, subtract, multiply;

float divide;

Printf(“Enter two integers\n”);

Scanf(“%d %d”, &first, &second);

add = first + second;

subtract = first – second;

multiply = first \* second;

divide = first / (float)second; //typecasting, you can also write: divide = (float)first/second

Printf(“Sum = %d\n”, add);

Printf(“Difference = %d\n”, subtract);

Printf(“Multiplication = %d\n”, multiply);

Printf(“Division = %.2f\n”, divide); // “%.2lf” to print two decimal digits, by default (%lf) we get six

return 0;

}

1. **Execute a program to perform Arithmetic operations using switch case**

#include<stdio.h>

#include<conio.h>

int main()

{

int a,b;

int op;

Printf(“ 1.Addition\n 2.Subtraction\n 3.Multiplication\n 4.Division\n”);

Printf(“Enter the values of a & b: “);

Scanf(“%d %d”,&a,&b);

Printf(“Enter your Choice : “);

Scanf(“%d”,&op);

Switch(op)

{

Case 1 :

Printf(“Sum of %d and %d is : %d”,a,b,a+b);

Break;

Case 2 :

Printf(“Difference of %d and %d is : %d”,a,b,a-b);

Break;

Case 3 :

Printf(“Multiplication of %d and %d is : %d”,a,b,a\*b);

Break;

Case 4 :

Printf(“Division of Two Numbers is %d : “,a/b);

Break;

Default :

Printf(“ Enter Your Correct Choice.”);

Break;

}

return 0;

}

1. **Execute a program to display biggest of two numbers**

#include <stdio.h>

int main()

{

int a, b;

printf("Please Enter Two different values\n");

scanf("%d %d", &a, &b);

if(a > b)

{

printf("%d is Largest\n", a);

}

else if (b > a)

{

printf("%d is Largest\n", b);

}

else

{

printf("Both are Equal\n");

}

return 0;

}

1. **Execute a program to display given number is odd or even using if..else**

#include <stdio.h>

int main() {

int num;

Printf(“Enter an integer: “);

Scanf(“%d”, &num);

if(num % 2 == 0)

Printf(“%d is even number.”, num);

else

Printf(“%d is odd number.”, num);

return 0;

}

1. **Execute a program to display given year is leap year or not using if..else**

#include <stdio.h>

int main()

{

int year;

Printf(“Enter a year: “);

Scanf(“%d”, &year);

// Divisible by 400

if (year % 400 == 0) {

Printf(“%d is a leap year.”, year);

}

else if (year % 100 == 0) {

Printf(“%d is not a leap year.”, year);

}

else if (year % 4 == 0) {

Printf(“%d is a leap year.”, year);

}

else {

Printf(“%d is not a leap year.”, year);

}

return 0;

}

1. **Execute a program to display days in week using switch case**

#include <stdio.h>

int main()

{

int week;

Printf(“Enter week number(1-7): “);

Scanf(“%d”, &week);

switch(week)

{

case 1:

Printf(“Monday”);

Break;

case 2:

Printf(“Tuesday”);

Break;

case 3:

Printf(“Wednesday”);

Break;

case 4:

Printf(“Thursday”);

Break;

case 5:

Printf(“Friday”);

Break;

case 6:

Printf(“Saturday”);

Break;

case 7:

Printf(“Sunday”);

Break;

default:

Printf(“Invalid input! Please enter week number between 1-7.”);

}

return 0;

}

1. **Execute a program to display natural numbers, even, odd using switch case**

#include <stdio.h>

int main()

{

int number;

Printf(“Enter a positive integer number: “);

Scanf(“%d”,&number);

switch(number%2) //this will return either 0 or 1

{

case 0:

Printf(“%d is an EVEN number.\n”,number);

Break;

case 1:

Printf(“%d is an ODD number.\n”,number);

Break;

}

return 0;

}

1. **Execute a program to display sum of n natural numbers using Do..While**

#include <stdio.h>

#include <conio.h>

void main()

{

int num, I, sum = 0;

Printf(“Enter a positive number: “);

Scanf(“%d”, &num);

I = 0;

do

{

Sum = sum + I;

I++;

} while (I <= num);

Printf(“ \n Sum of first %d natural number is : %d”, num, sum);

getch();

}

1. **Execute a program to display sum of n natural numbers using While..Do**

#include <stdio.h>

#include <conio.h>

void main()

{

int num, I, sum = 0;

Printf(“Enter a positive number : “);

Scanf(“%d”, &num);

I = 0;

while (I <= num)

{

sum = sum + I;

I++;

}

Printf(“ \n Sum of first %d natural number is : %d”, num, sum);

getch();

}