switch(week)

{

case 1:

cout<<"Monday";

break;

case 2:

cout<<"Tuesday";

break;

case 3:

cout<<"Wednesday";

break;

case 4:

cout<<"Thursday";

break;

case 5:

cout<<"Friday";

break;

case 6:

cout<<"Saturday";

break;

case 7:

cout<<"Sunday";

break;

default:

cout<<"Invalid input! Please enter week number between 1-7.";

}

switch(month)

{

case 1:

cout<<"31 days");

break;

case 2:

cout<<"28/29 days");

break;

case 3:

cout<<"31 days");

break;

case 4:

cout<<"30 days");

break;

case 5:

cout<<"31 days");

break;

case 6:

cout<<"30 days");

break;

case 7:

cout<<"31 days");

break;

case 8:

cout<<"31 days");

break;

case 9:

cout<<"30 days");

break;

case 10:

cout<<"31 days");

break;

case 11:

cout<<"30 days");

break;

case 12:

cout<<"31 days");

break;

default:

cout<<"Invalid input! Please enter month number between 1-12";

}

switch(ch)

{

case 'a':

cout<<"Vowel";

break;

case 'e':

cout<<"Vowel";

break;

case 'i':

cout<<"Vowel";

break;

case 'o':

cout<<"Vowel";

break;

case 'u':

cout<<"Vowel";

break;

case 'A':

cout<<"Vowel";

break;

case 'E':

cout<<"Vowel";

break;

case 'I':

cout<<"Vowel";

break;

case 'O':

cout<<"Vowel";

break;

case 'U':

cout<<"Vowel";

break;

default:

cout<<"Consonant";

}

switch(num1 > num2)

{

case 0:

cout<<" maximum is"<<num2;

break;

case 1:

cout<<"is maximum"<<num1;

break;

}

switch(num % 2)

{

case 0:

printf("Number is Even");

break;

case 1:

printf("Number is Odd");

break;

}

int main()

{

int num;

switch (num > 0)

{

// Num is positive

case 1:

printf("%d is positive.", num);

break;

// Num is either negative or zero

case 0:

switch (num < 0)

{

case 1:

printf("%d is negative.", num);

break;

case 0:

printf("%d is zero.", num);

break;

}

break;

}

return 0;

}

#include <stdio.h>

#include <math.h> /\* Used for sqrt() \*/

int main()

{

float a, b, c;

float root1, root2, imaginary;

float discriminant;

cout<<"Enter values of a, b, c of quadratic equation (aX^2 + bX + c): ";

cin>> a,b,c;

discriminant = (b \* b) - (4 \* a \* c);

switch(discriminant > 0)

{

case 1:

/\* If discriminant is positive \*/

root1 = (-b + sqrt(discriminant)) / (2 \* a);

root2 = (-b - sqrt(discriminant)) / (2 \* a);

cout<<"Two distinct and real roots exists:" <<root1,root2,

root1, root2);

break;

case 0:

switch(discriminant < 0)

{

case 1:

/\* If discriminant is negative \*/

root1 = root2 = -b / (2 \* a);

imaginary = sqrt(-discriminant) / (2 \* a);

printf("Two distinct complex roots exists: %.2f + i%.2f and %.2f - i%.2f",

root1, imaginary, root2, imaginary);

break;

case 0:

/\* If discriminant is zero \*/

root1 = root2 = -b / (2 \* a);

printf("Two equal and real roots exists: %.2f and %.2f", root1, root2);

break;

}

}

return 0;

}

#include <stdio.h>

int main()

{

char op;

float num1, num2, result=0.0f;

/\* Print welcome message \*/

printf("WELCOME TO SIMPLE CALCULATOR\n");

printf("----------------------------\n");

printf("Enter [number 1] [+ - \* /] [number 2]\n");

/\* Input two number and operator from user \*/

scanf("%f %c %f", &num1, &op, &num2);

/\* Switch the value and perform action based on operator\*/

switch(op)

{

case '+':

result = num1 + num2;

break;

case '-':

result = num1 - num2;

break;

case '\*':

result = num1 \* num2;

break;

case '/':

result = num1 / num2;

break;

default:

printf("Invalid operator");

}

/\* Prints the result \*/

printf("%.2f %c %.2f = %.2f", num1, op, num2, result);

return 0;

}