**Exercise**

1. Write a program that works as a calculator using switch case

2. Suppose the passing grade on an exam is 50. Write a program that prints “Passed” if a grade entered is greater than 50 and “Failed” otherwise.

3. Write a program that uses the modulus operator to determine

if a number is odd or even. i.e If the number is evenly divisible

by 2, it is an even number. A remainder indicates it is odd.

1. Write a program that displays the numbers 1 through 10 and their squares using while loop.

5. Evaluate the following expressions to true or false  
a. 3!=4-1   b. 5>=(1+6)-4   c. 5+1==6 || 8-1>4   d. 5>=6 || 1<8 && 9>7

5. If originally x=10, y=5, and z=2, evaluate the following expressions to true or false:  
a.(x+1)!=y-2   b. !(x+y>20) c.(x+1==y) || y-1>5

d.z+1>=3 || x+1<z\*10 && y+3>7

1. What is the output of the following C++ program?

#include<iostream>

using namespace std;

#include<conio.h>

int main(){

int x=10,y=15;

int mul=x\*y;

cout<<x<<"\*"<<y<<"="<<mul;

getch();

return 0;

}

#include<iostream>

#include<conio.h>

#include <iomanip>

using namespace std;

int main(){

int x;

int f,m,l;

cout<<"Enter 3 digit-integer number:";

cin>>x;

f=x/100;

l=x%10;

m=(x/10)%10;

cout<<left; //left alignment

cout<<setw(5)<<f<<setw(5)<<m<<setw(5)<<l<<endl;

cout<<setw(5)<<m<<setw(5)<<l<<endl;

cout<<setw(5)<<l<<endl;

getch();

return 0;

}