



CSE 215: Programming Language II Lab

Conditional Statement, Loop

Objective:

- To learn to use conditional statements (if, else, switch case)
- To learn the usage of loops (for, while, do-while)

<i>if-else</i>	<i>switch</i>
<pre>if(condition){ // do something } else{ // do something else }</pre>	<pre>switch(case){ case 1: // do things for case 1 break; case 2: // do things for case 2 break; default: // do things for default case }</pre>
<i>for</i>	<i>while</i>
<pre>for(int i = 0; i < 10; i++){ // do something }</pre>	<pre>while(condition){ // do something }</pre>

Task:

1. Write a program that takes an integer and determines if it's odd or even. Use switch cases to produce result.
2. Write a program that takes an integer and determines if it's prime or not. A number is prime if it is divisible by 1 and itself only, i.e. 2, 3, 11, 37 etc.
3. Write a program that prints the multiplication table from 1 to 5.
1 X 1 = 1
1 X 2 = 2
.....
5 X 9 =45
5 X 10 = 50
4. Write a program that takes an integer and prints its divisors, i.e. divisors of 12 are 1, 2, 3, 4, 6.