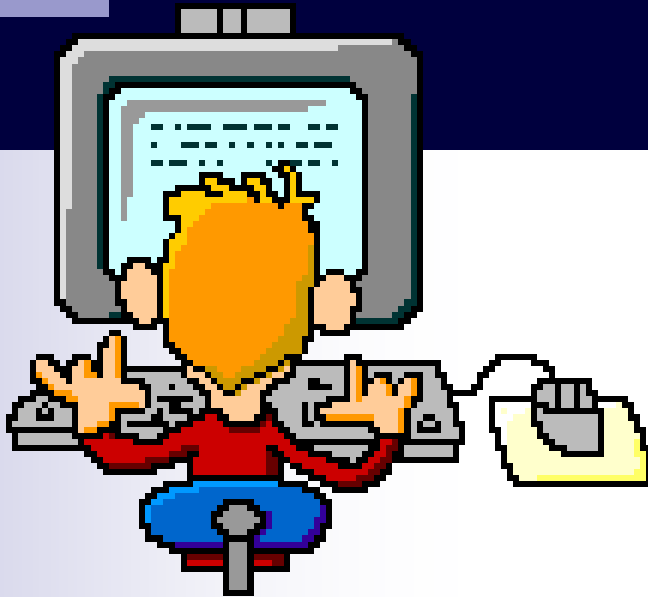


CN4001/ CD4001

Software Development


Topic 5: Programming with Loops

Part 4




The 'do...while' loop






```
// some code here
while ( /*test goes here*/ )
{
    // some code here
}

// some code goes here
```



```
// some code here
while ( /*test goes here*/ )
{
    // some code here
}

// some code goes here
```



```
// some code here
do
{
    // some code here
} while ( /*test goes here*/ );

// some code goes here
```



```
import java.util.*;
```

```
public class FindCost  
{
```

```
    public static void main(String[] args )  
    {
```

```
        double price, tax;
```

```
        Scanner sc = new Scanner(System.in);
```

```
// code for rest of program here
```

```
    }  
}
```



```
import java.util.*;
```

```
public class FindCost  
{
```

```
    public static void main(String[] args )  
    {
```

```
        double price, tax;
```

```
        Scanner sc = new Scanner(System.in);
```

```
        do  
        {
```

```
            // code for rest of program here
```

```
        } while (                );
```

```
    }
```

```
}
```

```
import java.util.*;
```

```
public class FindCost  
{
```

```
    public static void main(String[] args )  
    {
```

```
        double price, tax;
```

```
        Scanner sc = new Scanner(System.in);
```

```
        do  
        {
```

```
            // code for rest of program here
```

```
            System.out.print ("Enter another product (y/n)?: ");
```

```
            reply = ?
```

```
        } while ( );
```

```
    }
```

```
}
```



```
import java.util.*;
```

```
public class FindCost  
{
```

```
    public static void main(String[] args )  
    {
```

```
        double price, tax;
```

```
        Scanner sc = new Scanner(System.in);
```

```
        char reply;
```

```
        do
```

```
        {
```

```
            // code for rest of program here
```

```
            System.out.print ("Enter another product (y/n)?: ");
```

```
            reply = ' ';
```

```
        } while (reply != 'n');
```

```
    }
```

```
}
```

```
import java.util.*;
```

```
public class FindCost  
{
```

```
    public static void main(String[] args )  
    {
```

```
        double price, tax;
```

```
        Scanner sc = new Scanner(System.in);
```

```
        char reply;
```

```
        do
```

```
        {
```

```
            // code for rest of program here
```

```
            System.out.print ("Enter another product (y/n)?: ");
```

```
            reply =  sc.next().charAt(0);
```

```
        } while (                );
```

```
    }
```

```
}
```

```
import java.util.*;
```

```
public class FindCost  
{
```

```
    public static void main(String[] args )  
    {
```

```
        double price, tax;
```

```
        Scanner sc = new Scanner(System.in);
```

```
        char reply;
```

```
        do
```

```
        {
```

```
            // code for rest of program here
```

```
            System.out.print ("Enter another product (y/n)?: ");
```

```
            reply =  sc.next().charAt(0);
```

```
        } while ( reply == 'y' || reply == 'Y' );
```

```
    }
```

```
}
```

Sample Program Run

*** Product Price Check ***

Enter initial price: **50**

Enter tax rate: **10**

Cost after tax = 55.0

Enter another product (y/n)?: **y**

*** Product Price Check ***

Enter initial price: **70**

Enter tax rate: **5**

Cost after tax = 73.5

Enter another product (y/n)?: **n**

