

Questions – Chapter 9 - Looping Statements

1. Identify and correct the errors in the following codes. [Note: There may be more than one error in each piece of code.]

a)

```
if ( age >= 65 );
    System.out.println( "Age greater than or equal to 65" );
else
    System.out.println( "Age is less than 65 )" ;
```

b)

```
int x = 1, total;
while ( x <= 10 )
{
    total += x;
    ++x;
}
```

c)

```
While ( x <= 100 )
    total += x;
    ++x;
```

d)

```
while ( y > 0 )
{
    System.out.println( y );
    ++y;
```

e)

```
For ( i = 100, i >= 1, i++ )
    System.out.println( i );
```

- f) The following code should print whether integer value is odd or even:

```
switch ( value % 2 )
{
    case 0:
        System.out.println( "Even integer" );

    case 1:
        System.out.println( "Odd integer" );
}
```

g) The following code should output the odd integers from 19 to 1:

```
for ( i = 19; i >= 1; i -= 2 )  
    System.out.println( i );
```

h) The following code should output the even integers from 2 to 100:

```
counter = 2;  
  
do  
{  
    System.out.println( counter );  
    counter += 2 ;  
} While ( counter < 100 );
```