

BBS515 Nesneye Yönelik Programlama
Alıştırma Soruları - 1

1. Aşağıdaki programların varsa ekran çıktılarını yazınız, yoksa belirtiniz.

a.	int x = 2;
	int y = 3;
	if (x > 2)
	if (y > 2)
	{
	int z = x + y;
	System.out.println("z is " + z);
	}
	else
	System.out.println("x is " + x);

b.	int x = 3;
	int y = 2;
	if (x > 2)
	{
	if (y > 2)
	{
	int z = x + y;
	System.out.println("z is " + z);
	}
	}
	else
	System.out.println("x is " + x);

c.	
	int x = 3;
	switch(x + 3)
	{
	case 6:
	y = 1;
	default:
	y += 1;
	}
	System.out.println("y is " + y);

d.	
	int i = 1;
	while(i < 10)

	{
	if((i++)%2 == 0)
	System.out.println(i);
	}

e.	
	int x = 30;
	while(x > 0)
	{
	if(x < 9)
	break;
	x = x - 9;
	}
	System.out.println("x is " + x);

f.	
	int x = 30;
	while(x > 0)
	{
	if(x < 9)
	continue;
	x = x - 9;
	}
	System.out.println("x is " + x);

g.

```

public class Test {
    public static void main(String[] args){
        int max = 0;
        findMax(1,2,max);
        System.out.println(max);
    }

    public static void findMax(int value1, int value2, int max){
        if(value1 > value2)
            max = value1;
        else
            max = value2;
    }
}

```

h.

```
public class Test {  
    public static void main(String[] args) {  
        int product = 5;  
        int x = 5;  
  
        product *= x++;  
  
        System.out.println(product);  
        System.out.println(x);  
    }  
}
```

2. Aşağıdaki program parçalarındaki hataları bulunuz ve nasıl düzeltileceğini açıklayınız:

- a) `int g()`
{
 System.out.println("Inside method g");
 int h()
{
 System.out.println("Inside method h");
 }
}
- b) `int sum(int x, int y)`
{
 int result;
 result = x + y;
}
- c) `void f(float a);`
{
 float a;
 System.out.println(a);
}
- d) `void product()`
{
 int a = 6, b = 5, c = 4, result;
 result = a * b * c;
 System.out.printf("Result is %d\n", result);
 return result;
}

```
a) final int ARRAY_SIZE = 5;
   ARRAY_SIZE = 10;
b) Assume int b[] = new int[ 10 ];
   for ( int i = 0; i <= b.length; i++ )
       b[ i ] = 1;
c) Assume int a[][] = { { 1, 2 }, { 3, 4 } };
   a[ 1, 1 ] = 5;
```

```
a) i = 1;

   while ( i <= 10 );
       i++;
   }
b) for ( k = 0.1; k != 1.0; k += 0.1 )
    System.out.println( k );
```

```
c) switch ( n )
   {
       case 1:
           System.out.println( "The number is 1" );
       case 2:
           System.out.println( "The number is 2" );
           break;
       default:
           System.out.println( "The number is not 1 or 2" );
           break;
   }
d) The following code should print the values 1 to 10:
   n = 1;
   while ( n < 10 )
       System.out.println( n++ );
```