

# CMPE 101 - Intermediate Programming

## Worksheet(Week-02C)

### Part I

In this part you will learn primitive data types and variables. Please execute all expression line-by-line inside the **main** method and try to understand out puts. If you can't compile or execute, then try to fix out problems, then execute again!.

```
int t,a,b=12;
a=b*23;
t=t+a; // t=?
double c, d, e;
e=2.3;

c= e+a; // e=?;
a= e+b; // a=?

int k;
30=k; // k=?
double j;
j= 3.4;
double m;
m=2.3+J; // m=?

int a= 3;
int u=4;
int p= a/u; // p=?

boolean bilgi;
System.out.println(bilgi); //what is out put?
bilgi= 45; // myFlag=?
bilgi= T; //myFlag=?
bilgi= False; // what is the progrem of this expression.

char d= "a"; // s=?
char v='h'; // y=?
char c='ab'; // z=?

int n=5;
```

```
r=n-1; // r=?  
int h1=n--; // h=?  
int h2=--n; // h=? explain whay we have differen h1 and h2
```

## Part II

In this part, your asked to fix out problems if there is a problem. You may test this method inside the **main** to evaluate your comments. See the lecture examples.

```
public long add(byte a, short b, int c){  
  
    int s=0;  
    s= a+b;  
    s= s+c;  
}
```

```
public void multiply(long a, int b, float s) {  
  
    return a*b*s  
}
```

```
public int subtractNumbers (long a, btye, float k ) {  
  
    return a+b-k;  
}
```

```
pulic doulbe mixData(byte a, short r, int c, float d, long e){  
  
    return a+r+c+d+e;  
}
```

## Part III

Please write following function with a valid Java Method. suppose all variables are integers and the function returns a double data as a result.

$$f(x, y) = 3x + 4y$$

$$f(x, y, z) = \frac{x + y}{z}$$