

ASSIGNMENT 5

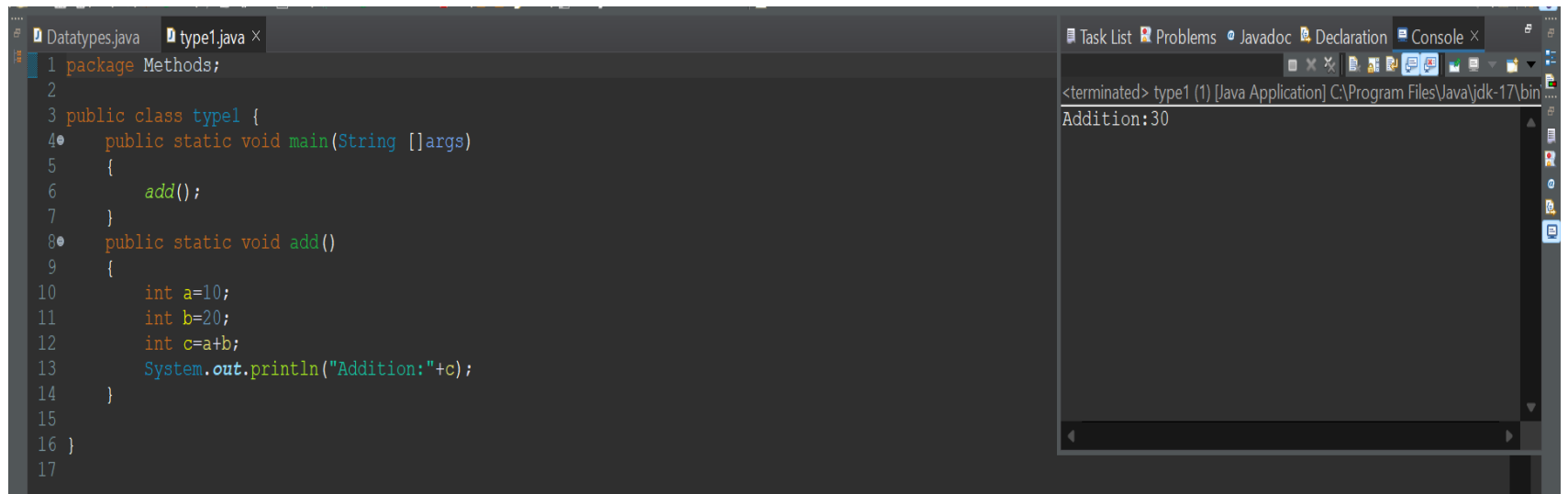
METHODS

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TYPE 1

Methods which would not accept any parameter and would not return any value



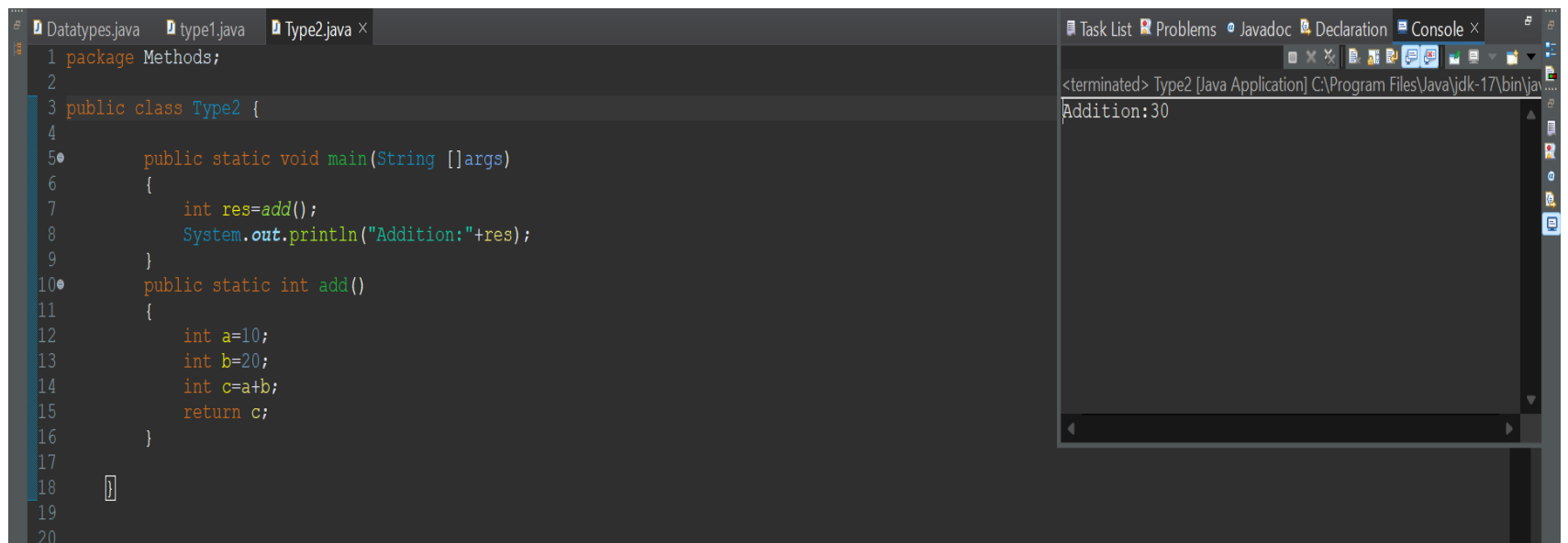
The screenshot shows an IDE with two tabs: 'Datatypes.java' and 'type1.java'. The 'type1.java' tab is active, displaying the following code:

```
1 package Methods;
2
3 public class type1 {
4     public static void main(String []args)
5     {
6         add();
7     }
8     public static void add()
9     {
10        int a=10;
11        int b=20;
12        int c=a+b;
13        System.out.println("Addition:"+c);
14    }
15 }
16 }
17
```

The console window on the right shows the output: 'Addition:30'.

TYPE 2

Method which would not accept any parameters but would return the value



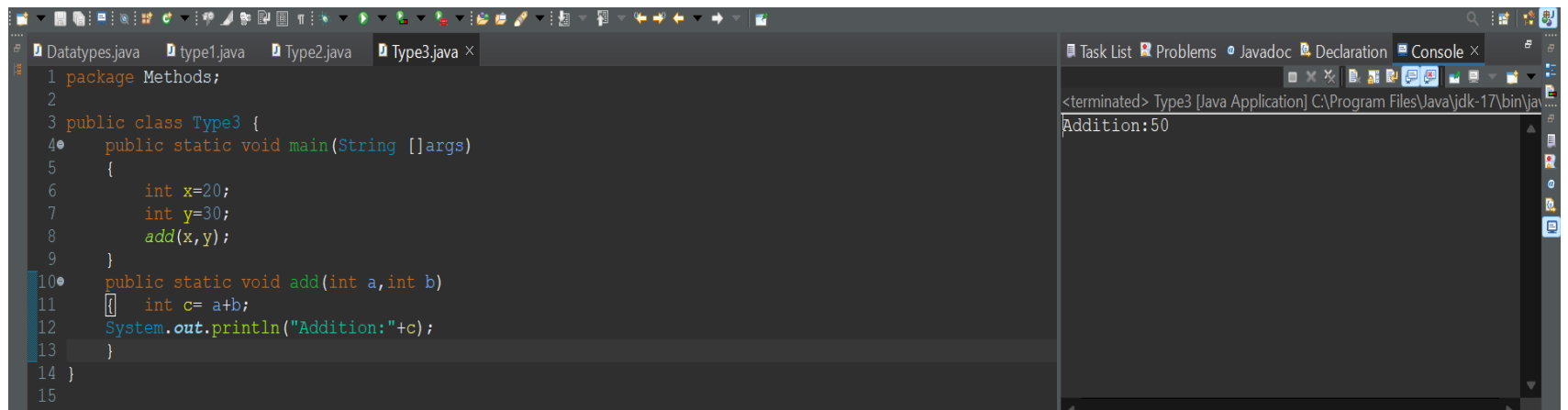
The screenshot shows an IDE with three tabs: 'Datatypes.java', 'type1.java', and 'Type2.java'. The 'Type2.java' tab is active, displaying the following code:

```
1 package Methods;
2
3 public class Type2 {
4
5     public static void main(String []args)
6     {
7         int res=add();
8         System.out.println("Addition:"+res);
9     }
10    public static int add()
11    {
12        int a=10;
13        int b=20;
14        int c=a+b;
15        return c;
16    }
17 }
18
19
20
```

The console window on the right shows the output: 'Addition:30'.

TYPE 3

Method which would accept parameters and would not return any value



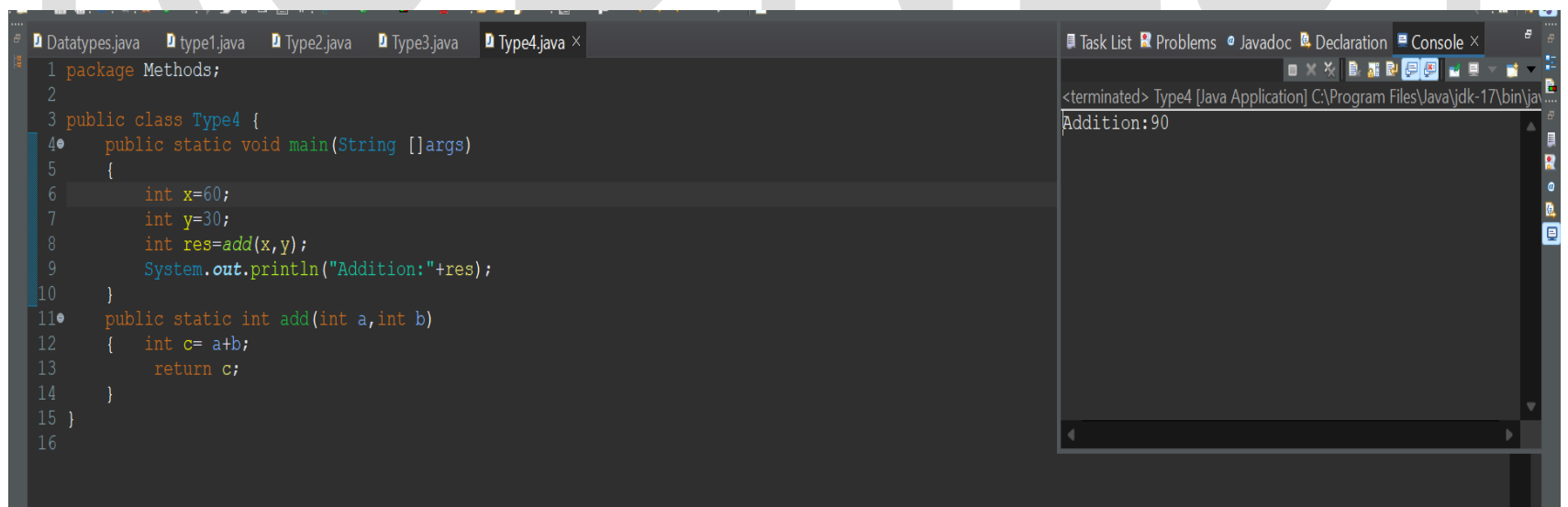
The screenshot shows an IDE with a file named `Type3.java` open. The code defines a package `Methods` and a class `Type3`. The `main` method initializes `x=20` and `y=30`, then calls `add(x,y)`. The `add` method takes two integers and prints their sum. The console output shows `Addition:50`.

```
1 package Methods;
2
3 public class Type3 {
4     public static void main(String []args)
5     {
6         int x=20;
7         int y=30;
8         add(x,y);
9     }
10    public static void add(int a,int b)
11    {
12        int c= a+b;
13        System.out.println("Addition:"+c);
14    }
15 }
```

Console output: `<terminated> Type3 [Java Application] C:\Program Files\Java\jdk-17\bin\jav... Addition:50`

TYPE 4

Methods which would accept parameters and would return value.



The screenshot shows an IDE with a file named `Type4.java` open. The code defines a package `Methods` and a class `Type4`. The `main` method initializes `x=60` and `y=30`, calls `add(x,y)` to get a result, and prints it. The `add` method takes two integers and returns their sum. The console output shows `Addition:90`.

```
1 package Methods;
2
3 public class Type4 {
4     public static void main(String []args)
5     {
6         int x=60;
7         int y=30;
8         int res=add(x,y);
9         System.out.println("Addition:"+res);
10    }
11    public static int add(int a,int b)
12    {
13        int c= a+b;
14        return c;
15    }
16 }
```

Console output: `<terminated> Type4 [Java Application] C:\Program Files\Java\jdk-17\bin\jav... Addition:90`