

Can we access the variables outside the method body which are defined inside the method body?

Options:

- ☐ Yes
- ☒ No ✓

✓ Correct Answer

What is the output of the following code?

```
public class Solution {  
    public void display() {  
        int x = 10;  
    }  
  
    public static void main(String args[]) {  
        System.out.println(x);  
    }  
}
```

Options:

- ☐ 10
- ☐ 0
- ☒ Compile time error ✓
- ☐ Runtime error

✓ Correct Answer

What is the output of the following code?

```
public class Solution {  
    int x = 10;  
  
    public static void main(String args[]) {  
        Solution obj = new Solution();  
        System.out.println(obj.x);  
    }  
}
```

Options:

- ☒ 10 ✓
- ☐ 0
- ☐ Compile time error
- ☐ Runtime error

✓ Correct Answer

What is the output of the following code?

```
public class Solution {  
  
    public static void main(String args[]) {  
  
        int x;  
        x = 10;  
        {  
            int y = 20;  
            System.out.print(x + " " + y);  
        }  
  
        System.out.print(x + " " + y);  
    }  
}
```

Options:

- ☐ 10 20 10 20
- ☐ 10 20 10
- ☒ Compile time error ✓
- ☐ Runtime Error

✓ Correct Answer