

Tutorial 4

Calling a method from another method in Java

1. A method is called using its name from any of the method. The method name (case sensitive) and parameters should match.

Eg. deposit(), withdraw(), add (2, 3), display("ICP", "Pokhara")

```
public class Project{  
    public void createProject(){  
        // Calling the getWelcomeMessage() method and printing the result  
        String welcomeMessage = getWelcomeMessage();  
        System.out.println(welcomeMessage);  
  
        System.out.println("New project has been created!");  
  
        // Calling thankYou() method  
        thankYou();  
    }  
  
    public String getWelcomeMessage(){  
        return "Welcome to our company, we will create amazing projects.";  
    }  
  
    public void thankYou(){  
        System.out.println("Thank you for choosing us!");  
    }  
}
```

Creating Object in BlueJ and calling methods

1. Right click on class name.
2. Click on new ClassName()
3. Give a new name to a instance (object) or use the default name.
4. The red box at the bottom is an object.
5. You can create as many objects from a single method.
6. To call a method, right click on the object(red box), click on the desired method.

Questions

A. Create a class **Calculation** with the following methods:

1. public void **add**(int a, int b, int c): Add the values of parameters and print the result
2. public void **subtract**(int a, int b): Subtract two values and print the result
3. public void **remainder**(int a, int b): Calculate the remainder and print the result

Now, create the object of Calculation class and call all the method.
Input value in the input textbox and see the result.

B. Create a class **NamePrinter** with the following methods:

1. public String **getName**(): Return your name
2. public void **printName**(): Call the above method and print the value returned. *(Calling a method from another method)*

Now, create the object of NamePrinter class and call printName method and see the output.