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Design Patterns W1A1

Topic: - WAP to show the difference between Public and Default access specifiers.

Code: -

```
userDetails.java

package users_package;

public class UserDetails {
        void showName(){
            System.out.println("Hi Sushant");
        }

    public void showAge(){
        System.out.println(19);
     }
}

javac -d . userDetails.java
// Default Access Modifier
// Public Access Modifier
```

Output: - A new folder same as file name will be created and it will contain .class file which is our package that can be imported.

```
Code: -
```

```
Sushant.java
import users_package.UserDetails;
class Sushant {
```

```
public static void main(String[] args){
    UserDetails userDetails = new UserDetails();
    userDetails.showAge();
}

java Sushant.java
```

Output: - Age will be printed in the console because the function is public and it can be accessed anywhere.

```
) java <u>Sushant.java</u>
19
```

userDetails.showName();

// It will not work as it is not public.