

Java Programming Hero to Zero

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day 3 assignment

1. Cab fare calculation: mini project

```
import java.util.Scanner;
```

```
class cab
```

```
{
```

```
    int fare;
```

```
    int d;
```

```
    public cab()
```

```
    {
```

```
        fare = 50;
```

```
    }
```

```
    public cab(int amount)
```

```
    {
```

```
        fare = amount;
```

```
    }
```

```
}
```

```
class ride
```

```
{
```

```
    public static void main (String[] args)
```

```
    {
```

```
        Scanner in = new Scanner (System.in);
```

```
        int cd;
```

```
System.out.println("\n\n----- cab bill details...");  
System.out.print("Enter the distance of from the  
customer: ");
```

```
cd = in.nextInt();
```

```
if (cd > 5)
```

```
{
```

```
    cab ob = new cab(50 + 10 * (cd - 5));
```

```
    System.out.print("Enter the distance  
travelled: ");
```

```
    ob.d = in.nextInt();
```

```
    ob.fare += 10 * ob.d;
```

```
    System.out.print("Total bill charge: " + ob.  
fare);
```

```
}
```

```
else
```

```
{
```

```
    cab ob = new cab();
```

```
    System.out.print("Enter the distance travelled:");
```

```
    ob.d = in.nextInt();
```

```
    ob.fare += 10 * ob.d;
```

```
    System.out.print("Total bill charge: " + ob.fare);
```

```
}
```

```
}
```

```
}
```

```

ride - Notepad
File Edit Format View Help
import java.util.Scanner;
class cab
{
    int fare;
    int d;

    public cab()
    {
        fare=50;
    }

    public cab(int amount)
    {
        fare=amount;
    }
}

class ride
{
    public static void main(String[] args)
    {
        Scanner in=new Scanner(System.in);
        int cd;
        System.out.println("\n\n-----cab bill details-----");
        System.out.print("Enter the distance of cab from the customer:");
        cd=in.nextInt();
        if(cd>5)
        {
            cab ob=new cab(50+10*(cd-5));
            System.out.print("Enter the distance travelled:");
            ob.d=in.nextInt();
            ob.fare+=10*ob.d;
            System.out.print("total bill charge:"+ob.fare);
        }
        else
        {
            cab ob=new cab();
            System.out.print("Enter the distance travelled:");
            ob.d=in.nextInt();
            ob.fare+=10*ob.d;
        }
    }
}

```

```

C:\Users\Admin\Desktop\notes\JAVA\upgrade>java ride

-----cab bill details-----
Enter the distance of cab from the customer:10
Enter the distance travelled:
10
total bill charge:200

C:\Users\Admin\Desktop\notes\JAVA\upgrade>java ride

-----cab bill details-----
Enter the distance of cab from the customer:3
Enter the distance travelled:
9
total bill charge:140

C:\Users\Admin\Desktop\notes\JAVA\upgrade>

```

Activate Windows
Go to Settings to activate Windows.

2.

Finalfinallyfinalise

- Final is a keyword

- finally is a block

- finalise in method is a protected of java.lang.Object class. It is inherited to every class you create in java

- Final is used to apply restrictions on class, method and variable

- Final variable value can't be changed
- final method can't be overridden
- final class can't be inherited

- Finally used to place important code, it will be executed whether exception is handled or not

- Finalise is used to perform clean up processing just before object is garbage collected