Q1Build a Mini cab Fare calculator based on default constructor

Paramaterized constructor

Answer-

import java.util.Scanner;

class Uber

{

int distance;

int fare;

public Uber()

{

fare=50;

}

public Uber(int fare)

{

this. fare=fare;

}

}

public class CabProject {

public static void main(String[] args)

{ Scanner sc =new Scanner(System.***in***);

System.***out***.println("enter the value cd");

int cd=sc.nextInt();

if(cd>5)

{

Uber uc =new Uber(50+10\*(cd-5));

System.***out***.println("enter value of Distance k/m");

uc.distance=sc.nextInt();

uc.fare+=uc.distance\*10;

System.***out***.println("Total fare is"+uc.fare);

}

else

{

Uber uc =new Uber();

System.***out***.println("enter value of Distance k/m");

uc.distance=sc.nextInt();

uc.fare+=uc.distance\*10;

System.***out***.println("Total fare is"+uc.fare);

}

}

}

Q2 What is final vs finally vsfinalize in java?

| BASIS FOR COMPARISON | FINAL | FINALLY | FINALIZE |
| --- | --- | --- | --- |
| Basic | Final is a "Keyword" and "access modifier" in Java. | Finally is a "block" in Java. | Finalize is a "method" in Java. |
| Applicable | Final is a keyword applicable to classes, variables and methods. | Finally is a block that is always associated with try and catch block. | finalize() is a method applicable to objects. |
| Working | (1) Final variable becomes constant, and it can't be reassigned. (2) A final method can't be overridden by the child class. (3) Final Class can not be extended. | A "finally" block, clean up the resources used in "try" block. | Finalize method performs cleans up activities related to the object before its destruction. |
| Execution | Final method is executed upon its call. | "Finally" block executes just after the execution of"try-catch" block. | finalize() method executes just before the destruction of the object. |