Q1

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| Sr.No. | Final | Finally | Finalize |
| 1. | Final is keyword and access modifier used to apply restrictions on class, method or variable. | Finally is block in Java Exception Handling to execute important code whether exception occurs or not | Finalize is method in Java which is used to perform clean up processing just before object is garbage collected. |
| 2. | Final keyword is used with classes, methods and variables. | Finally block is always related to try and catch block in exception handling. | Finalize () method is used with objects. |
| 3. | Once declared, Final variable becomes constant and cannot be modified. Final method cannot be overridden by sub class. Final class cannot be inherited. | Finally block runs important code even if exception occurs or not. Finally block cleans up all resources used in try block | Finalize method performs the cleaning activities with respect to the object before its destruction. |
| 4. | Final method is executed only when we call it | Finally block is executed as soon as the try-catch block is executed. Its execution is not dependant on exception. | Finalize method is executed just before the object is destroyed |

Q2.

import java.util.Scanner;

class Cab {

int fare;

int d;

public Cab(){

fare = 50;

}

public Cab(int amount) {

amount = fare;

}

}

public class RideCab {

public static void main (String args[]) {

///Cab ob = new Cab();

int cd; // Cab distance from user

Scanner sc = new Scanner(System.in);

System.out.println("Enter the distance of cab from the user:");

/\*ob.\*/cd = sc.nextInt();

if(/\*ob.\*/cd>5) {

Cab ob = new Cab( 50+10\*(cd-5));

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

ob.d = sc.nextInt();

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

System.out.print("Total fare: Rs"+ob.fare);

}//Scope of ob ends here of if

else {

Cab ob = new Cab();

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

ob.d = sc.nextInt();

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

System.out.print("Total fare: Rs"+ob.fare);

}// scope of ob ends here of else

/\*ob.d = sc.nextInt();

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

System.out.println("Total fare: Rs"+ob.fare);\*/

}

}