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Ques 1b.
 Carjava.
  class Car &
         int model, speed = 0;
          String make;
          Car (int model, String make, int speed) {
               this. model = model;
                this. make = make;
                this speed = speed;
           void accessor () {
                Systemout. println ("Printing the details");
                System. out . println (" Model: "+ model);
                System. out - println ("Make: " + make);
                System.out.println ("Speed!" + speed);
           void accelerate () {
                  Speed +=5;
            void brake () {
             Speed -= 5;
```

public static void main (String CJ args) ? Car car = new Car (2018, "BMW", 200); car.accelerate (); Car.accelerate (); Car. accelerate (); car accelerate (); car. accelerate (); System.out. println ("After Accelerating: "+ car speed)) car.brake(); System.out. println ("After brake: "+ car.speed); car.brake (); System.out.println ("After brake: " + car-speed); car.brake (); System.out. println ("After brake: "I + car.speed); car.broke(); System.out. println ("After brake: "+ car-speed); car.brake (); System. out-println ("Afterbrake: "It carspeed); Output: After accelerating: 225 After brake: 220 After brake: 215 After brake: 210 After brake: 205 After brake: 200.

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Import java. To. File Input Streamimport java. 10. Fik Out put Stream; import java. no. file. Files; Import java. nio. file. Paths; Import java. otil. *:
import java. io. Input Stream Reader; clas Tables &

public static void main (String CJ args) {

Foldotput Stream fout = new File Output Stream ("tables .txt"). Scanner scan z new Scanner (System. in);

System. out. println ("Enter the number"); Int number = scan.next Int();

for (inti= 1; " 10; "++) { String make String = number + "X"+9+

11="+(number *i); fout.write (make String.get Bytes ()); fout. write ("n");

fout close (); Scan-close(); System. out. println("File written"); catch (Exceptione) {

System. out. printlnte);

11 for reading the file. System.out.println("Enter the multiple you want to read"); try { Scanner scan = new Scanner (System. Pn); "int n=scan.nextIn+(); String line = Files. read Allilines (Paths. get ("tables-txt")).get (n-1); System. out. println (tine); Scan. close(); coatch (Exception e) { System.out.println(e);

```
1b.Write a class named Car that has the following data members:
• model. The model field is an int that holds the car's year.
the car.

    speed. The speed field is an int that holds the car's current speed.

The class should have the following constructor and other methods.
· The constructor should accept the car's year model, make and speed as
arguments.

    Accessor methods should get the values stored in an object's year,

Model, make, and speed fields.
· Accelerate method should add 5 to the speed field each time it is
called.
· Brake method should subtract 5 from the speed field each time it is
Demonstrate the class in a program that creates a Car object, and then
calls the accelerate method five
times. After each call to the accelerate method, get the current speed of
the car and display it. Call the
brake method five times. After each call to the brake method, get the
current speed of the car and
display it.
```

Car.java

```
class Car {
   int model, speed = 0;
   String make;

Car(int model, String make, int speed) {
      this.model = model;
      this.make = make;
      this.speed = speed;
   }

void accessor() {
   System.out.println("Printing the details");
}
```

```
System.out.println("Speed: " + speed);
public static void main(String[] args) {
```

Modification.java

```
import java.io.BufferedReader;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.InputStreamReader;
import java.nio.file.Files;
import java.nio.file.Paths;
import java.util.*;

class Tables {
    public static void main(String[] args) {

        try {
            FileOutputStream fout = new FileOutputStream("tables.txt");

            Scanner scan = new Scanner(System.in);
            System.out.println("Enter the number");
            int number = scan.nextInt();

            for (int i = 1; i <= 10; i++) {</pre>
```

```
i);
number);
        } catch (Exception e) {
        } catch (Exception e) {
```



