**On a single track two vehicles are running. As vehicles are going in same direction there is no problem. If the vehicles are running in different direction there is a chance of collision. To avoid collisions write a Java program using exception handling. You are free to make necessary assumptions.**

***CODE:***

***import java.io.\*;***

***class collision extends Exception***

***{***

***collision(String s)***

***{ super(s); }***

***}***

***class Main***

***{***

***public static void main(String ar[])***

***{***

***String t1=null,t2=null;***

***try***

***{***

***DataInputStream in= new DataInputStream(System.in);***

***System.out.println("enter the direction of vehicle1:(left/right):");***

***t1=in.readLine();***

***System.out.println("enter the direction of vehicle2:(left/right):");***

***t2=in.readLine();***

***if(!t1.equals(t2))***

***throw new collision("truck2 has to go on "+ t1 +" direction");***

***}***

***catch(collision e)***

***{***

***System.out.println(e);***

***t2=t1;***

***System.out.println("the collision has been avoided by redirection truck2");***

***}***

***catch(Exception e)***

***{ System.out.println(e); }***

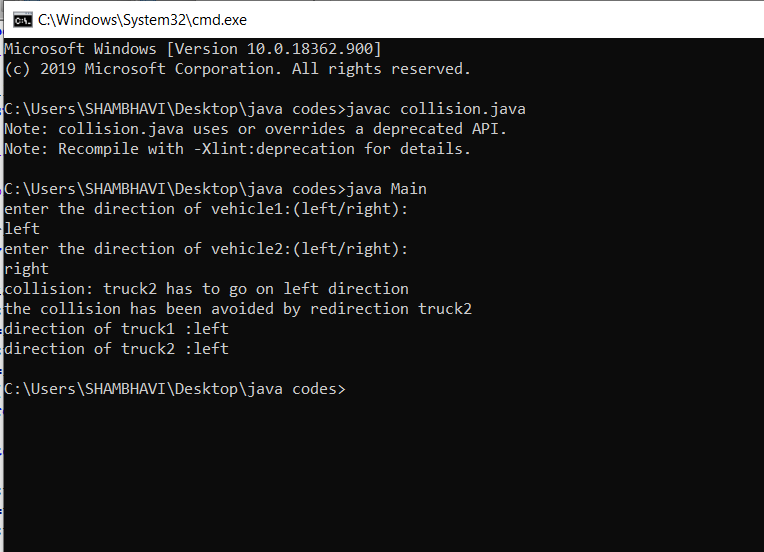
***System.out.println("direction of truck1 :"+t1);***

***System.out.println("direction of truck2 :"+t2);***

***}***

***}***

***OUTPUT:***

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