# Function Description

**Function Name:** listShortestDiversion

**Parameter List:**

|  |  |  |
| --- | --- | --- |
| Parameter Name | Type | Description |
| diversion | const struct Route\* | “diversion” is a struct variable that stores a collection of points of the diversion path from the route to the destination. It has 3 member variables:  struct Point points[MAX\_ROUTE];  int numPoints;  char routeSymbol;  “points[MAX\_ROUTE]” is an array of “points” of the diversion path. The “point” variable itself is also a struct which has 2 member variables, “char row” and “char col” to denote the row number and column number of a point respectively.  “numPoints” stores the number of points of the diversion path.  “routeSymbol” stores the symbol of the relevant route. |

**Returns:** There is no return type (i.e. void).

**Description:** This function takes an input parameter “diversion” and prints all the points of the diversion path. It should loop through all the “points” values and call “convertPointToStr” function for each of them, which will convert each “points” object to strings, and then be printed out to the screen.