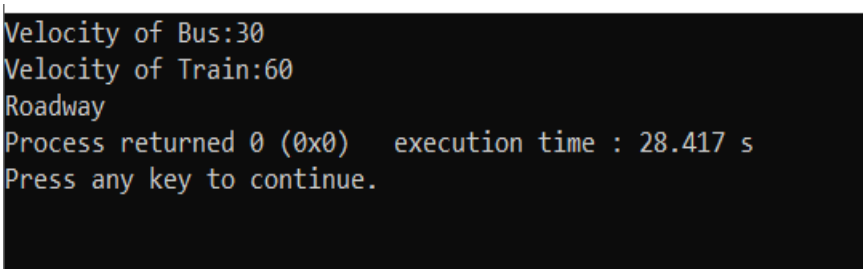
Practice Problem 1

- Define two namespaces “BusSpace” and “TrainSpace” both containing a function with same name “TravelTime ()”.
- Take velocity as input for both bus and train individually. Call both functions from main program and show the output. Provide the input as parameter.
- The “TravelTime ()” function in the BusSpace should return the travel time of a bus for a fixed distance considering the parameter.
- The “TravelTime ()” function in the TrainSpace should return the travel time of a train for a fixed distance considering the parameter.
  [Formula t=180/v]
- Compare the travel time of both function and advise the user optimal path (need less time to go)

Sample Input-Output



Practice Problem 2

- Define two namespaces “performance” and “salary” both containing a class with same name “Employee”.
- Private attributes of Employee class under “performance” namespace are id and performance_rating (range 1-5)
- Employee class under “salary” namespace have a private attribute named sal.
- Take an array of object for Employee class and take performance as input and set them against id.
- Now check the salary of an id based on performance_rating. Get the performance_rating from Employee class under “performance” namespace and then pass it to the function of Employee class under “salary” namespace to get the salary.

  Salary Criteria

  performance_rating>=4 : salary=40000.

  performance_rating==3 : salary=30000.

  performance_rating==2 : salary=25000.

  performance_rating==1: salary=20000.

Sample Input-Output

```
Enter Performance of employee (rating from 1-5)
Performance for id 0: 5
Performance for id 1: 1
Performance for id 2: 2
Performance for id 3: 3
Performance for id 4: 4
Enter the id for salary :3
30000
Process returned 0 (0x0)   execution time : 14.906 s
Press any key to continue.
```