**DAA Assignment – 6**

**Name – Chaitanya Kulkarni B-No. – B00814455**

**Question 1.**

1. **(Optional: Extra point 12%) using the best-first search algorithm to give a solution of the following traveling salesman problem. Show the state space tree and the optimal tour [6%] and write a program to implement it [6%].**

A

B

C

D

4

2

2

3

1

5

**Solution –**

Programming language used – C++

**CODE**

Refer code – **tsp.cpp** in the same folder for the code.

How to run the code –

* Open the directory in the cmd.
* Type ‘make’ command and press enter.
* Get the output.

**Output –**

