

SATISH KUMAR

Implementation

```
I create maven project in java. In this project  
i am using Nearest neighbour algorithm.  
And after that i use the Ant colony algorithm and  
Two opt algorithm.  
And than i got the my minimum solution. I use the  
search seed file to find the seed
```

How to run the program

```
I put jar file in and i run it from mac command line  
with this command
```

IN Eclipse

```
Import the maven project and put the parameter is  
for example ../problems/ch130.tsp
```

mac command line

```
go to directory name code  
$ mvn compile  
$ mvn -q exec:java -Dexec.mainClass="tsp.antcolony.Main" -Dexec.args="ch130.tsp"
```

system detail

```
system  macOS High Sierra  
version 10.13.6  
processor  2.2 GHZ Intel core i7
```

Result

I am implement the funtion which write result in result folder and inside the name of problem for example ch130 and there are two file and one is result and another is seed file and it's print result also with the length in end of file. and it print the result in console also