```
PS C:\Users\sande> python -u "d:\AI\lab1.py"
Enter Location of Vacuum
A
Enter status of: A0
Enter status of other room
1
Initial Location Condition{'A': '0', 'B': '0'}
Vacuum is placed in Location A
Location A is already clean
Location B is Dirty.
Moving RIGHT to the Location B.
COST for moving RIGHT 1
Cost for SUCK2
Location B has been Cleaned.
GOAL STATE:

{'A': '0', 'B': '0'}
Performance Measurement: 2
PS C:\Users\sande>
```

```
PS D:\AI> python -u "d:\AI\lab2.py"
Guess the characters:
guess a character:n
guess a character:k
k____n_
guess a character:a
ka__an_
guess a character:t
kat__an__
guess a character:h
kath_an__
guess a character:m
kathman__
guess a character:a
kathman
guess a character:d
kathmand_
guess a character:u
kathmandu
You Win.
The word is: kathmandu.
PS D:\AI>
```

```
PS D:\AI> python -u "d:\AI\lab3_1.py"
Following is the Breadth-First Search
a b c d e f
PS D:\AI>
```

```
PS D:\AI> python -u "d:\AI\lab3_2.py"
Following is the Depth-First Search
a
b
d
e
c
f
PS D:\AI>
```

```
PS D:\AI> python -u "d:\AI\lab4.py"
Enter size of the chessboard : 4
0 0 1 0
1 0 0 0
0 0 0 1
0 1 0 0
PS D:\AI>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS D:\AI> python -u "d:\AI\lab5.py"

A* search algorithm

Path found: ['A', 'F', 'G', 'I', 'J']

PS D:\AI>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS D:\AI> python -u "d:\AI\lab6.py"
gready_best_first is
[('A', 15), ('B', 5), ('C', 4), ('D', 4)]
PS D:\AI>
```

```
SWI-Prolog (AMD64, Multi-threaded, version 9.0.4)

File Edit Settings Run Debug Help

Welcome to SWI-Prolog (threaded, 64 bits, version 9.0.4)

SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software. Please run ?- license. for legal details.

For online help and background, visit https://www.swi-prolog.org

For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- smile(ram).

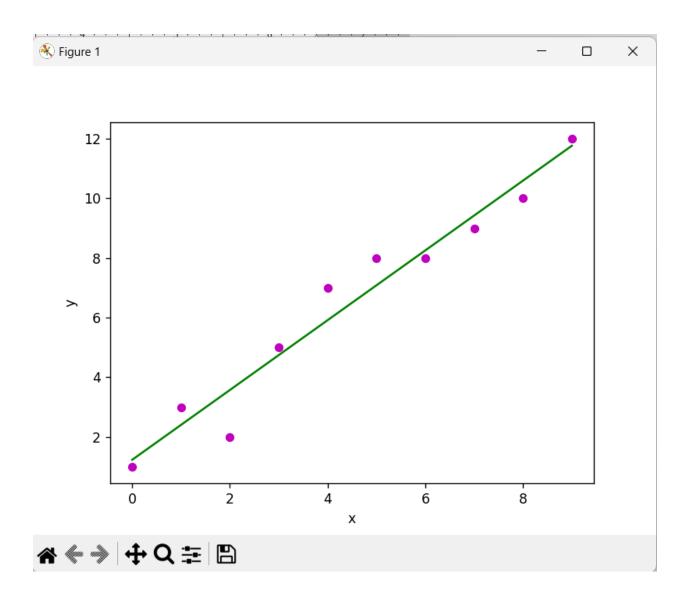
true.

?-
```

```
% d:/ai/lab7ram compiled 0.00 sec, 3 clauses
?-
| equal_angles(B,C).
true.
?-
```

```
PS D:\AI> python -u "d:\AI\lab8.py"

Estimated coefficients:
b_0 = 1.2363636363636363
b_1 = 1.1696969696969697
```



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS D:\AI> python -u "d:\AI\lab9.py"

Perceptron for AND is

AND(0, 1) = 0

AND(1, 1) = 1

AND(0, 0) = 0

AND(1, 0) = 0

PS D:\AI>
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

PS D:\AI> python -u "d:\AI\lab10.py"

NOR Logic:

x1 = 0 and x2 = 0 => y = 1

x1 = 0 and x2 = 1 => y = 0

x1 = 1 and x2 = 0 => y = 0

x1 = 1 and x2 = 1 => y = 0

PS D:\AI>
```

