

## EX-4-DFS for Tic Tac Toe Game

Game output-

New Game!

```
-----  
|  |  |  |  |  
-----  
|  |  |  |  |  
-----  
|  |  |  |  |  
-----
```

Choose which player goes first - X (You) or O(AI): X

Choose where to place (1 to 9): 1

```
-----  
| x |  |  |  |  
-----  
|  |  |  |  |  
-----  
|  |  |  |  |  
-----
```

AI plays move: 2

```
-----  
| x |  | o |  |  
-----  
|  |  |  |  |  
-----  
|  |  |  |  |  
-----
```

Choose where to place (1 to 9): 4

```
-----  
| x |  | o |  |  
-----  
| x |  |  |  |  
-----  
|  |  |  |  |  
-----
```

AI plays move: 7

## Harshit Aggarwal (RA1911003010782)

```
-----  
| x || o ||   |  
-----
```

```
| x ||   ||   |  
-----
```

```
| o ||   ||   |  
-----
```

Choose where to place (1 to 9): 5

```
-----  
| x || o ||   |  
-----
```

```
| x || x ||   |  
-----
```

```
| o ||   ||   |  
-----
```

AI plays move: 6

```
-----  
| x || o ||   |  
-----
```

```
| x || x || o |  
-----
```

```
| o ||   ||   |  
-----
```

Choose where to place (1 to 9): 8

```
-----  
| x || o ||   |  
-----
```

```
| x || x || o |  
-----
```

```
| o || x ||   |  
-----
```

AI plays move: 3

## Harshit Aggarwal (RA1911003010782)

```
|-----  
| x || o || o |  
|-----  
| x || x || o |  
|-----  
| o || x ||   |  
|-----
```

Choose where to place (1 to 9): 9

```
|-----  
| x || o || o |  
|-----  
| x || x || o |  
|-----  
| o || x || x |  
|-----
```

Draw!

Want to play again?(Y/N) : N