

Output of Task 1

```
PS E:\PSET1\Logic_task1> python main.py
● Output 1:
[24, 12, 8, 6]
Output 2:
[0, 0, 9, 0, 0]
❖ PS E:\PSET1\Logic_task1>
```

Output of Task 2

```
● PS E:\PSET1\Logic_task2> python main.py
Output of 1:
BANC
Output of 2:
a
Output of 3:

❖ PS E:\PSET1\Logic_task2>
```

Output of Task3

```
PS E:\PSET1\logic_task3> python main.py
● Output of 1:
2.0
Output of 2:
2.5
❖ PS E:\PSET1\logic_task3>
```

Output of Task 4

```
● PS E:\PSET1\Logic_task4> python main.py
Output of 1:
13
❖ PS E:\PSET1\Logic_task4>
```

Output of Task5

```
● PS E:\PSET1\Logic_task5> python main.py
Output of 1:
['()()', '(()())']
Output of 1:
['(a())()', '(a)()()']
Output of 2:
['()']
Output of 3:
['abc']
Output of 4:
['']
❖ PS E:\PSET1\Logic_task5>
```

Output of Task 6

```
Output of 11  
PS E:\PSET1\Logic_Task6> python main.py
```

```
Enter no 1: 2  
Disk 1 moved from A to B  
Disk 2 moved from A to C  
Disk 1 moved from B to C  
Enter no 2: 3  
Disk 1 moved from A to C  
Disk 2 moved from A to B  
Disk 1 moved from C to B  
Disk 3 moved from A to C  
Disk 1 moved from B to A  
Disk 2 moved from B to C  
Disk 1 moved from A to C  
PS E:\PSET1\Logic_Task6>
```