

# Practical No 5

## Aim : Write A Program To Implement Stack

```
class Stack:
    def __init__(self):
        self.stack = []

    def push(self,data):
        self.stack.append(data)
        return True

    def pop(self):
        self.stack.pop(-1)
        return True

    def isEmpty(self):
        return len(self.stack)==0

    def length(self):
        return len(self.stack)

    def print(self):
        print(self.stack)

stack = Stack()
# Adding Elements
stack.push(1)
stack.push(2)
stack.push(3)
stack.push(4)
stack.push(5)

# Printing Elements
stack.print()

# Removing Elements
stack.pop()
stack.pop()
stack.pop()
stack.print()

# Checking If Stack Is Empty and Length Of Stack
print(stack.isEmpty())
print(stack.length())
```

```
[1, 2, 3, 4, 5]
```

```
[1, 2]
```

```
False
```

```
2
```