DAILY ONLINE ACTIVITIES SUMMARY

Date:	23/6/2020	**Name:**	Vleena Mascarenhas
Sem & Sec	8th & B	**USN:**	4AL16CS121

Online Test Summary

Subject	-		
Max. Marks	-	**Score**	-

Certification Course Summary

Course	Automatic Model Tuning in Amazon SageMaker		
Certificate Provider	AWS	**Duration**	35 Minutes

Coding Challenges

Problem Statement:
Sort a stack using a temporary stack

Status: Solved

Uploaded the report in Github	yes
If yes Repository name	vleena
Uploaded the report in slack	yes

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

Problem Statement:

Sort a stack using a temporary stack

```
def sortStack(stack):
        tmpStack=createStack()
        while(isEmpty(stack)==False):
```

```
            tmp=top(stack)
            pop(stack)
            while(isEmpty(tmpStack)== False and int (top(tmpStack))>int(tmp)):
                push(stack,top(tmpStack))
                pop(tmpStack)
            push(tmpStack,tmp)
        return tmpStack

def createStack():
        stack=[]
        return stack
def isEmpty(stack):
        return len(stack)==0
def push(stack,item):
        stack,append(item)

def top(stack):
        p=len(stack)
        return stack[p-1]

def pop(stack):
        if(isEmpty(stack)):
            print(“Stack Underflow”)
            exit(1)
        return stack.pop()
```

```
def prints(stack):
        for i in range(len(stack)-1,-1,-1):
                print(stack[i],end=' ')
        print()


stack=createStack()
push(stack,str(34))
push(stack,str(3))
push(stack,str(31))
push(stack,str(98))
push(stack,str(92))
push(stack,str(23))
print("Sorted numbers are:")
sortedst=sortStack(stack)
prints(sortedst)
```

OUTPUT:

```
3  23  31  34  92  98
```