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ASSIGNMENT MODERN PROGRAMMING

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EXAIM MID TERM

SEMESTER THIRD

Q:1

SOL;

```
a="iqra"
```

```
print ('\u0049', '\u0051', '\u0052', '\u0041')
```

Result:

I Q R A

Q:2

SOL;

```
a="Iqra National University"
```

```
str.split("a")
```

```
a.append("Peshawar")
```

```
a.sort(reverse=true)
```

```
print ("I.N.U Peshawar")
```

Result:

I.N.U.Peshawar

Q:3

SOL;

```
def maximumSum(a):
```

```
    maxi = 0
```

```
    # traversal in the lists
```

```
    for x in list1:
```

```
        sum = 0
```

```
        # traversal in list of lists
```

```
        for y in x:
```

```
            sum+= y
```

```
            maxi = max(sum, maxi)
```

```
    return maxi
```

```
a = [[4,5,9], [1,5,3], [0,8,12], [3,1,9]]
```

```
print maximumSum(a)
```

Q:5

SOL;

```
def convertOpposite(str):
```

```
    ln = len(str)
```

```
    # Conversion according to ASCII values
```

```
    for i in range(ln):
```

```
        if str[i] >= 'a' and str[i] <= 'z':
```

```
            # Convert lowercase to uppercase
```

```
            str[i] = chr(ord(str[i]) - 32)
```

```
        elif str[i] >= 'A' and str[i] <= 'Z':
```

```
            # Convert lowercase to uppercase
```

```
            str[i] = chr(ord(str[i]) + 32)
```

```
# Driver code
```

```
if __name__ == "__main__":
```

```
    str = "staY Home And SaFe"
```

```
    str = list(str)
```

```
# Calling the Function
```

```
convertOpposite(str)
```

```
str = ".join(str)
```

```
print(str)
```