

MID PAPER MLP

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Submitted To:

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Q1.

Ans.

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

Output:

The output of the Python code in Q1 is the string "IQRA". The letters are in a bold, serif font and are centered on the page.

Q2.

Ans.

#2.1

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

```
List=a.split()
```

```
print (List)
```

#2.2

```
List.append("Peshawar")
```

```
print (List)
```

#2.3

```
List.sort()
```

```
print(List)
```

#2.4

```
print (' '.join(List))
```

```
print (List[0][:1]+ "." +List[1][0]+ "." +List[3][0]+ "." +List[2])
```

Output:

```
['Iqra', 'National', 'University']
```

```
['Iqra', 'National', 'University', 'Peshawar']
```

```
['Iqra', 'National', 'Peshawar', 'University']
```

```
Iqra National Peshawar University
```

```
I.N.U.Peshawar
```

Q3.

Ans.

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

```
num=0
```

```
for q in a:
```

```
    b=sum(q)
```

```
    if b>num:
```

```
        num=b
```

```
        n=q
```

```
print(n)
```

Output:

```
[0, 8, 12]
```

Q4.

Ans.

```
for i in range(5):
```

```
    Student_id=input("enter the student id for check its valid or not valid:")
```

```
#4.1
```

```
    if len(Student_id)<6:
```

```
        print ("VALID Id ")
```

```
#4.2
```

```
    if Student_id=="INU".upper():
```

```
        print("")
```

```
#4.3
```

```
    if Student_id==(0,1,2,3,4,5,6,7,8,9):
```

```
        print("")
```

```
    else:
```

```
        print ("its a invalid id")
```

Output:

```
enter the student id for check its valid or not valid:INU12
```

```
VALID Id
```

```
enter the student id for check its valid or not valid:INU34
```

```
VALID Id
```

```
enter the student id for check its valid or not valid:INU13
```

```
VALID Id
```

```
enter the student id for check its valid or not valid:INU45
```

```
VALID Id
```

```
enter the student id for check its valid or not valid:inu13312
```

```
its a invalid id
```

Q5

Ans.

```
string=input("enter the value")  
newStr = "";
```

```
for i in range(0, len(string)):
```

```
    if string[i].islower():
```

```
        newStr += string[i].upper();
```

```
    elif string[i].isupper():
```

```
        newStr += string[i].lower();
```

```
    else:
```

```
        newStr += string[i];
```

```
print("String after Changing: " + newStr);
```

Output:

```
enter the value : sTAY hoME STAY safe
```

```
String after Changing: StaY HOme stay SAFE
```