

## Programming Assignment-25

### Question 1:

**Ans.**

```
def equal(a, b, c):  
    if a == b == c:  
        return 3  
    elif a == b or b == c or a == c:  
        return 2  
    else:  
        return 0
```

#### # Examples

```
print(equal(3, 4, 3)) # → 2  
print(equal(1, 1, 1)) # → 3  
print(equal(3, 4, 1)) # → 0
```

### Question 2:

**Ans.**

```
def dict_to_list(d):  
    return sorted(d.items())
```

#### # Examples

```
print(dict_to_list({"D": 1, "B": 2, "C": 3}))  
# → [("B", 2), ("C", 3), ("D", 1)]  
  
print(dict_to_list({"likes": 2, "dislikes": 3, "followers": 10}))  
# → [("dislikes", 3), ("followers", 10), ("likes", 2)]
```

### Question 3:

**Ans.**

```
def mapping(lst):
```

```
    return {char: char.upper() for char in lst}
```

*# Examples*

```
print(mapping(["p", "s"]))    # → {"p": "P", "s": "S"}
```

```
print(mapping(["a", "b", "c"])) # → {"a": "A", "b": "B", "c": "C"}
```

```
print(mapping(["a", "v", "y", "z"]))# → {"a": "A", "v": "V", "y": "Y", "z": "Z"}
```

### Question 4:

**Ans.**

```
def vow_replace(string, vowel):
```

```
    return ''.join([vowel if char in 'aeiou' else char for char in string])
```

*# Examples*

```
print(vow_replace("apples and bananas", "u")) # → "upplus und bununus"
```

```
print(vow_replace("cheese casserole", "o")) # → "chooso cossorolo"
```

```
print(vow_replace("stuffed jalapeno poppers", "e")) # → "steffed jelepene peppers"
```

### Question 5:

**Ans.**

```
def ascii_capitalize(string):
```

```
    return ''.join([char.upper() if ord(char) % 2 == 0 else char.lower() for char in string])
```

*# Examples*

```
print(ascii_capitalize("to be or not to be!")) # → "To Be oR NoT To Be!"
```

```
print(ascii_capitalize("THE LITTLE MERMAID")) # → "The LiTTLe meRmaiD"
```

```
print(ascii_capitalize("Oh what a beautiful morning.")) # → "oH wHaT a BeauTiFuL moRniNg."
```