

Dictionary Comprehension

1.) Task – 1

```
a="umbrella"
```

```
res={i:i*5 for i in a if i in "aeiouAEIOU"}
```

```
print(res)
```

output :

```
{'u': 'uuuuu', 'e': 'eeeeee', 'a': 'aaaaa'}
```

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

```
res={i:i**2 for i in a}
```

```
print(res)
```

output :

```
{1: 1, 2: 4, 3: 9, 4: 16, 5: 25}
```

```
a={"id": 1,"age":22}
```

```
res={i:a[i] for i in a}
```

```
print(res)
```

output :

```
{'id': 1, 'age': 22}
```

```
a=[1,2,3,"kalyan",True]
```

```
res={i:a[i] for i in a if type(i)==bool}
```

```
print(res)
```

output :

```
{True: 2}
```

2.) Task – 2

Correct Code :

```
result=""
```

```
def allVowels(str):
```

```
    global result
```

```
    result+=str
```

```
    return str
```

```
print(result)
```

```
a={"name1":"vamsi","name2":"ravi"}
```

```
res={allVowels(j)for i in a for j in a[i] if j in "aeiouAEIOU"}
```

```
print(result)
```

output :

```
ai ai
```