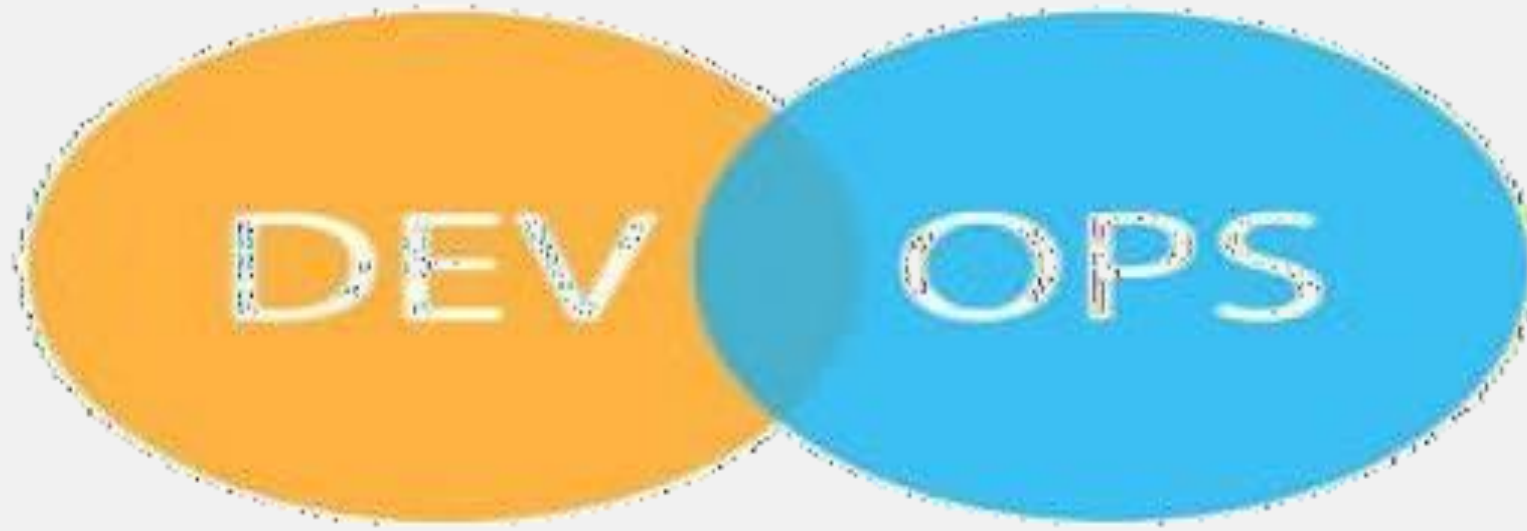# Al Nafi

Let's educate the world to make it a better place.

As Education Benefits All.

Task 1:-

```
myfiles = ["abd.txt", "abc.csv", "test.txt", "ali.txt", "abdeali.csv"]
newfiles = []

for i in myfiles:
            if "a" in i:
                        newfiles.append(i)
print(newfiles)
```

Task 2:-

Syntax: newfiles = [expression for variable in iterable if condition == True]

```
myfiles = ["abd.txt", "abc.csv", "test.txt", "ali.txt", "abdeali.csv"]
newfiles = [i for i in myfiles if i != "abdeali.csv" ]
print(newfiles)
```

Task 3:-

```
myfiles = ["abd.txt", "abc.csv", "test.txt", "ali.txt", "abdeali.csv"]
newfiles = [i.upper() for i in myfiles if i != "abdeali.csv" ]
print(newfiles)
```

Task 4 :-

```
salary = [
    ['Abdeali', 20000],
    ['Ali', 30000],
    ['Kazim', 25000],
    ['Katrina', 50000],
    ['sarah', 27000]
]

for i in salary:
        if i[1] >=30000:
                print(i)
```

Task 5 :-

```
salary = [
    ['Abdeali', 20000],
    ['Ali', 30000],
    ['Kazim', 25000],
    ['Katrina', 50000],
    ['sarah', 27000]
]


max_salary = [i for i in salary if i[1] >= 30000]
print(max_salary)
```

Task 6 :-
```
even_num = []
for i in range(11):
    if i%2 == 0:
        even_num.append(i)
print(even_num)
```

Task 7 :-

```
even_num = [i for i in range(11) if i%2 == 0]
print(even_num)
```

Task 8 :-

```
salary ={'Abdeali': 20000,'Ali' :40000,'Kazim': 25000,'Katrina': 50000,'sarah': 27000}
new_dict = {k  for (k, v) in salary.items() if v >= 20000 if v <= 30000}
print(new_dict)
```

Task 9 :-

```
salary ={'Abdeali': 20000,'Ali' :40000,'Kazim': 25000,'Katrina': 50000,'sarah': 27000}
new_dict = {k:v  for (k, v) in salary.items() if v >= 20000 if v <= 30000}
print(new_dict)
```

Task 10:-

```python
salary = [
    ['Abdeali', 20000],
    ['Ali', 30000],
    ['Kazim', 25000],
    ['Katrina', 50000],
    ['sarah', 27000]
]

final_salary = [i for i in salary if i[0].lower().startswith('a') and i[1] >= 25000]
print(final_salary)
```

جزاك اللهُ

To ask questions, please contact
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