

Task-1:

Code:

```
Rivers = [  
    {"name": "Nile", "length": 4157},  
    {"name": "Yangtze", "length": 3434},  
    {"name": "Murray-Darling", "length": 2310},  
    {"name": "Volga", "length": 2290},  
    {"name": "Mississippi", "length": 2540},  
    {"name": "Amazon", "length": 3915}  
]
```

```
For x in range(0,6):
```

```
    Print(rivers[x]["name"])
```

```
Sum=0
```

```
For x in range(0,6):
```

```
    Sum=(rivers[x]["length"])+sum
```

```
Print(sum)
```

```
For x in range(0,6):
```

```
    Y=(rivers[x]["name"][0])
```

```
    If y=="M":
```

```
        Print(rivers[x]["name"])
```

```
For x in range(0,6):
```

```
    Z=(rivers[x]["length"])*1.6
```

```
    Print(z)
```

Snap:

```
● s229198aka@penguin: ~/python$ /bin/pyt
Nile
Yangtze
Murray-Darling
Volga
Mississippi
Amazon
18646
Murray-Darling
Mississippi
6651.20000000000001
5494.4000000000001
3696.0
3664.0
4064.0
6264.0
```

Task02:

Code:

```
Li1=[1,3,6]
```

```
Li2=[3,6,5]
```

```
Li3=[]
```

Def overlap():

```
    For n in range(len(li1)):
```

```
        For g in range(len(li2)):
```

```
            If li1[n]==li2[g]:
```

```
                Li3.append(li1[n])
```

```
    Print(li3)
```

Overlap()

```
Li1=[1,3,6]
```

```
Li2=[3,6,5]
```

Def join():

```
    For r in range(len(li2)):
```

```
        If li2[r] in li1:
```

```
            Continue
```

Else:

 Li1.append(li2[r])

Print(li1)

Join()

Snap:

```
● s229198aka@penguin:~/python$ /bin/python3 /home/s229198aka/python/long_rivers.py
[3, 6]
[1, 3, 6, 5]
```