

Q. 1. wap to accept the cost price of a bike and display the road tax to be paid according to the following criteria

costprice	tax
100000	15%
50k and <=100k	10%
#<=50000	5%

```
cp = int(input("cost price of a bike:"))
tax=0
if cp<=50000:
    tax=5
elif cp>50000 and cp<=100000:
    tax=10
else:
    tax=15

print("your cost price :",cp)
print(tax,"% tax price :",cp*tax/100)
```

OUTPUT:

```
cost price of a bike:190000
your cost price : 190000
15 % tax price : 28500.0
PS D:\Python\New folder> █
```

Q2. #create a list for first 30 prime numbers in reverse order

```
prime = []
n=1
while True:
    if len(prime)==30:
        break
    else:
        n+=1
        i=2
        while i<=n:
```

```
        if n%i==0:
            break
        else:
            i+=1
            continue
    if n==i:
        prime.append(n)
i=0
# while i<30:
#     temp=prime[i]
#     prime[i]=prime[29-i]
#     prime[29-i]=temp
#     i+=1
prime.reverse()
print(prime)
```

OUTPUT:

```
PS D:\Python\New folder> & "C:/Users/Trideep Shivam/AppData/Local/Programs/Python/Python311/python.exe"
"d:/Python/New folder/ca1.py"
[113, 109, 107, 103, 101, 97, 89, 83, 79, 73, 71, 67, 61, 59, 53, 47, 43, 41, 37, 31, 29, 23, 19, 17, 13
, 11, 7, 5, 3, 2]
PS D:\Python\New folder> █
```