

[1]Take three numbers 'x', 'y' and 'z' as input from the user and check which number is greater

```
x=int(input('enter a number'))
y=int(input('enter a number'))
z=int(input('enter a number'))
```

```
if x>y and x>z:
    print('x is greter ')
```

```
elif y>x and y>z:
    print('y is greter')
```

```
else:
    print('z3 is greter')
```

```
☞ enter a number22
   enter a number44
   enter a number55
   z is greter
```

[2]Take an alphabet as input from the user and check if the alphabet is a vowel, consonant or an exception

Vowel - 'a','e','i','o','u'

Exception - 'h', 'y'

Consonant - rest other alphabets

```
alphabet=input('enter a alphabet')
```

```
if alphabet=='a'and 'e'and 'i'and'o'and'u':
    print('alphabet is vowel')
```

```
elif alphabet=='h'and'y':
    print('alphabet is exception')
```

```
else:
    print('alphabet is consonate')
```

```
enter a alphabeth
alphabet is exception
```

[3]Write a program to check whether a number given by a user is divisible by 2 and 3 both

```
num=int(input('enter a number'))
```

```
if num%2==0:
    print("number is divisible by 2 ")
```

```
elif num%3==0:
    print('number is divisible by 3')
```

```
else:
    pass
```

```
enter a number33
number is divisible by 3
```

[4]Write a program to accept the cost price of a bike as input and display the road tax to be paid according to the following crieteria :-

Cost price - 100000 Tax - 15%

Cost price - between 50000 to 100000 Tax - 10%

Cost price - less than 50000 Tax - 5%

```
price=int(input('enter the cost price of bike'))
```

```
if price==100000:
    print('payable road tax is 15% ')
```

```
elif 50000<price<100000:
    print('payable road tax is 10%')
```

```
else:
    print('payable road tax is 5%')
```

```
enter the cost price of bike100000
payable road tax is 15%
```

[5]Write a program to calculate the electricity bill by accepting the number of units consumed by the user as input. Use the following price chart for reference :-

Price of first 100 units - no charge

Price of next 100 units - Rs 5/- per unit

After 200 units - Rs 10/- per unit

```
units=int(input('enter the units'))
```

```
if units<=100:
    print('no charges')
```

```
elif 100<units<200:
    print('rs 5/- per unit')
```

```
else:
    print('rs 10/- per units')
```

```
enter the units150
rs 5/- per unit
```

