```
print("Navnath Nagorao Bhoskar")
roll=220340325028
print("Roll No:",roll)
```

```
⌐→    Navnath Nagorao Bhoskar
      Roll No: 220340325028
```

Q.1) Convert given hrs & mins in second

```
def convert_time(hrs,min):
  min=hrs*60+min
  sec=min*60
  return sec
```

```
convert_time(1,0)
```

```
    3600
```

```
convert_time(2,30)
```

```
    9000
```

```
convert_time(5,10)
```

```
    18600
```

Q.2) Write code to find the average of 'n' numbers entered by the user to function avg ( ). Ex: avg (10, 20, 30, 40) => average is: 70 avg (5, 10, 15) => average is: 10

```
#average function
def Average(l):
```

```
    avg = sum(l)/len(l)
    return avg
my_list1 = [10, 20, 30, 40]
average = Average(my_list1)
average
print("Average is",str(average))
```

```
    Average is 25.0
```

```
my_list2=[5, 10, 15]
average = Average(my_list2)
average
print("Average is",str(average))
```

```
    Average is 10.0
```

Q.3) Print

1

0 1

0 1 0

1 0 1 0

1 0 1 0 1

```
for i in range(1,6):
  for j in range(1,i+1):
    print(j%2,end=" ")
  print()
```

```
    1
    1 0
    1 0 1
    1 0 1 0
    1 0 1 0 1
```

Q.4) Write a code to accept a number & print in words. Ex: 123

Three

Two

One

Q.5) Create class

```
class Math:
  def __init__(self,a,b):
    self.a=a
    self.b=b
  def Add(self):
    return self.a+self.b

  def Sub(self):
    return self.a-self.b

  def Mul(self):
    return self.a*self.b

  def Div(self):
    return self.a+self.b



n=Math(50,25)


print(n.Add())
print(n.Sub())
```

```
print(n.Mul())
print(n.Div())
```

```
     75
     25
     1250
     75
```

Q.6) Read file & count numbers of digit alphabets & symbols (hint one can compare using 'a' < digit < 'z'.

v

```
a=input("Enter a string:")
b=c=0
for d in a:
  if d.isdigit():
    b=b+1

  elif d.isalpha():
    c=c+1

  else:
    pass
print("Letters are ",c)
print("Digits are ",b)
```

```
     Enter a string:navnath1998
     Letters are  7
     Digits are  4
```

Q.7) Convert Paise in Rupees & Paises Ex: 350 is 3 Rupees 50 Paise 3.50 print Rupees: 3 Paise: 50

```
amount=int(input("Enter amount in Paise: "))
amount
Rupees = amount // 100
Paises = amount - Rupees*100
print("Rupees:",str(Rupees),"Paise:",str(Paises))
```

```
    Enter amount in Paise: 350
    Rupees: 3 Paise: 50
```

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```
    4.0
```

Q.8) Print

1

3 3

5 5 5

6 6 6 6

7 7 7 7 7

```
s='13567'
for i in range(0,len(s)):
  print(s[i]*(i+1))
```

```
    1
    33
    555
    6666
    77777
```

Q.9) Accept String & print only alternate characters on a string. Ex: this i s a _ test

✓ 0s   completed at 18:20   ● ✕