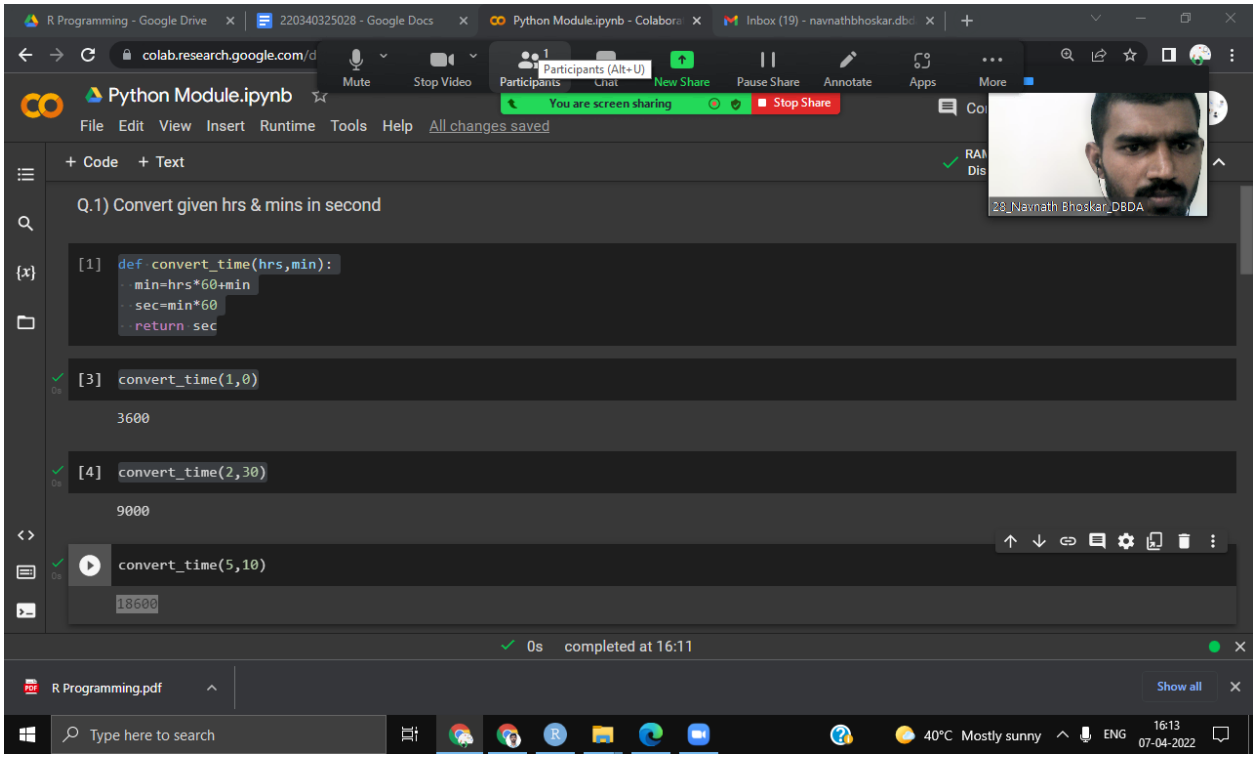
Python Questions

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

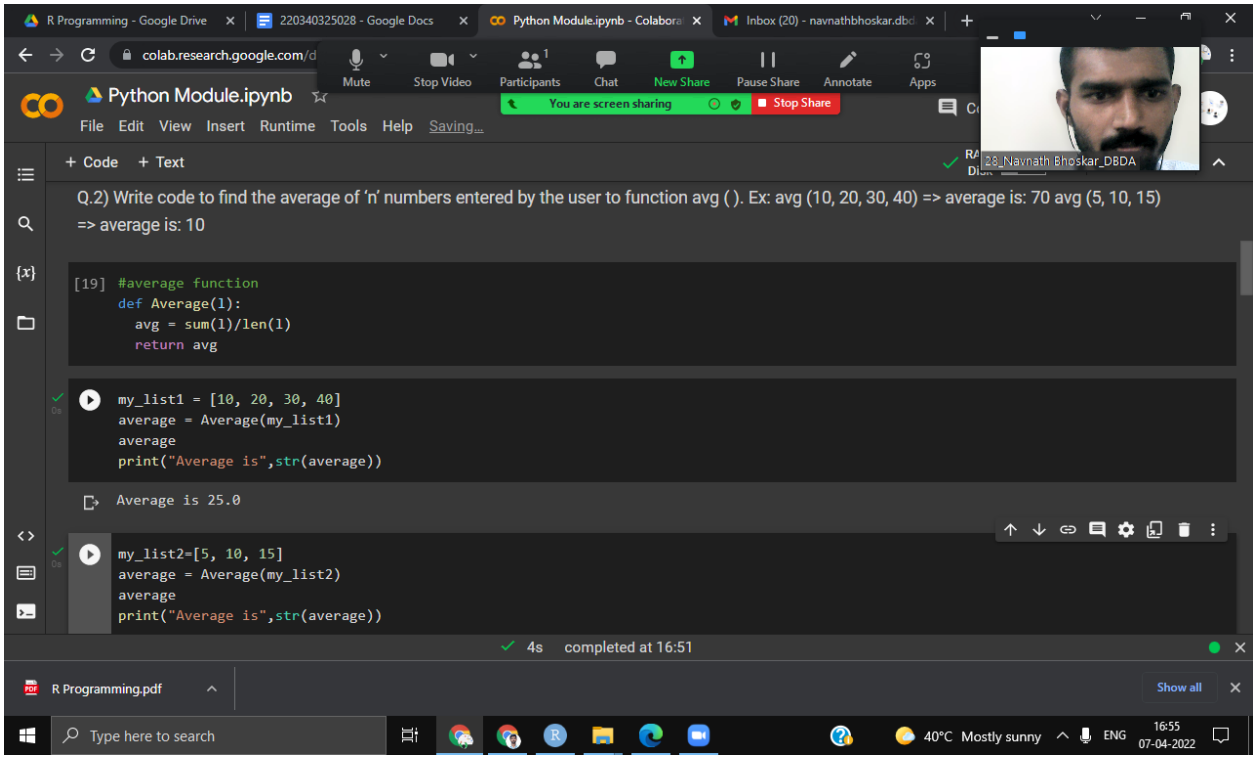
```
#average function
def Average(l):
  avg = sum(l)/len(l)
  return avg
```

```
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))
```

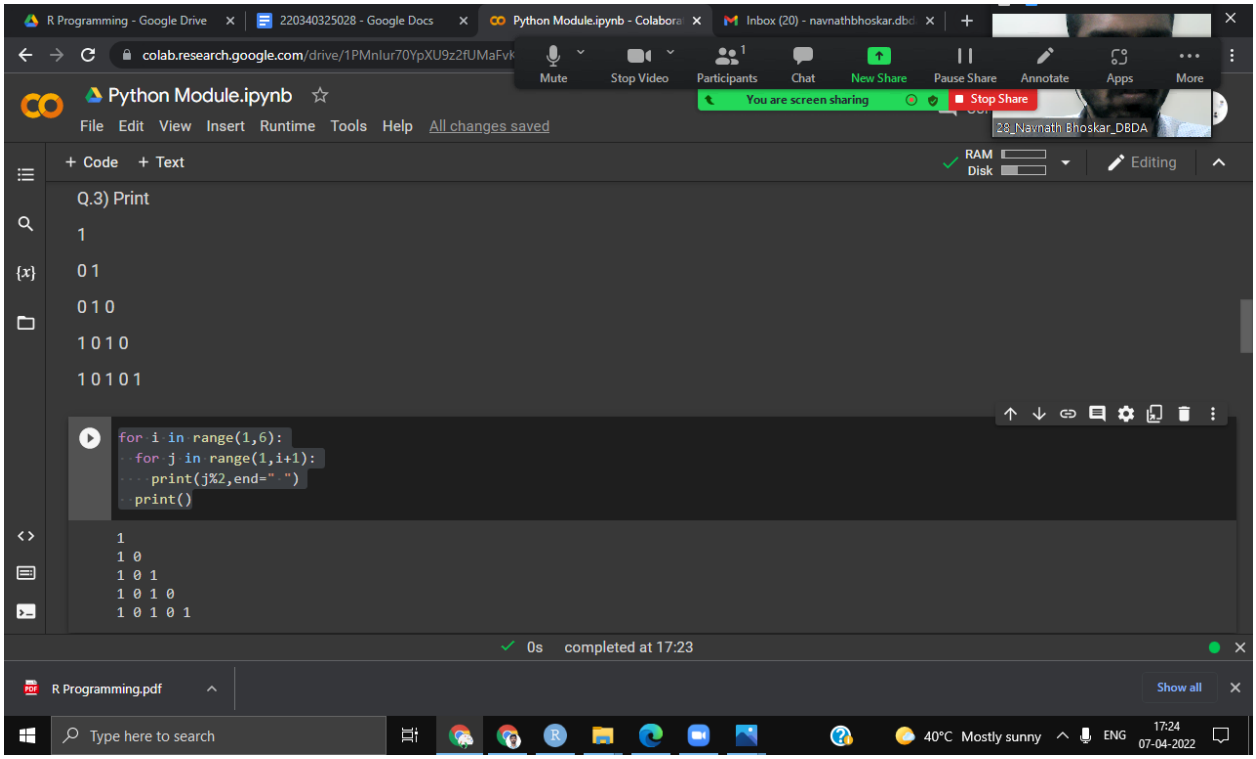
```
Average is 10.0
```



Q.3) Print

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

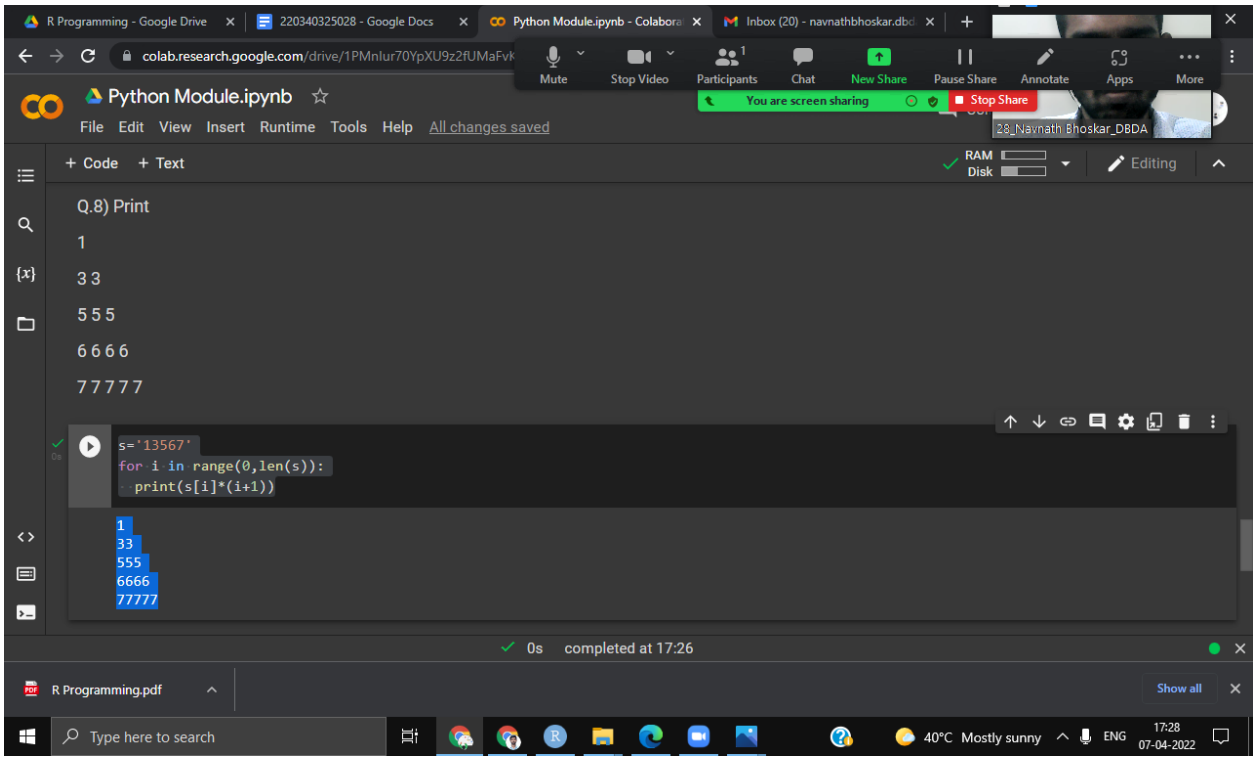
```
1
1 0
1 0 1
1 0 1 0
1 0 1 0 1
```



Q.8) Print

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

```
1
33
555
6666
77777
```



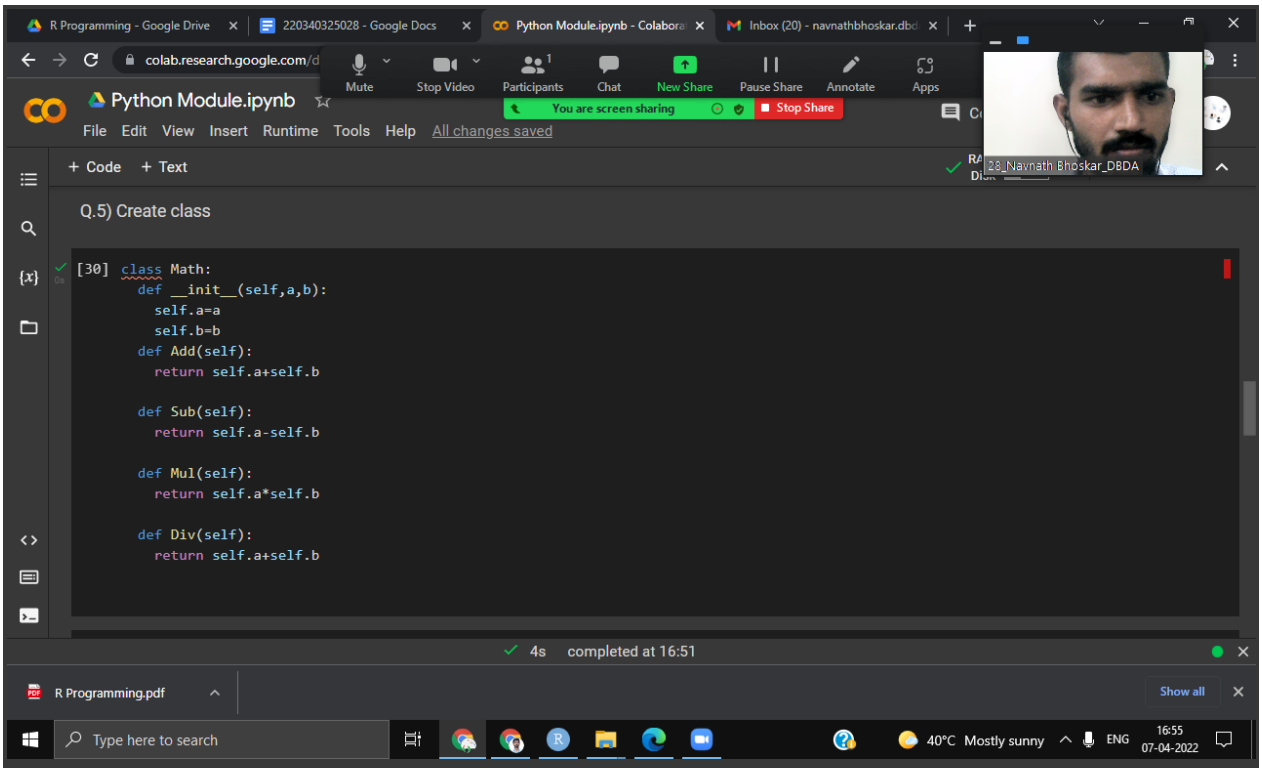
Q.5) Create class

```
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
```


R Programming - Google Drive
220340325028 - Google Docs
Python Module.ipynb - Colabora
Inbox (20) - navnathbhoskar.dbd
colab.research.google.com/d
Mute
Stop Video
Participants
Chat
New Share
Pause Share
Annotate
Apps
You are screen sharing
Stop Share
28_Navnath Bhoskar_DBDA
Python Module.ipynb
File Edit View Insert Runtime Tools Help All changes saved
+ Code + Text
Q.5) Create class
[30] 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
4s completed at 16:51
R Programming.pdf
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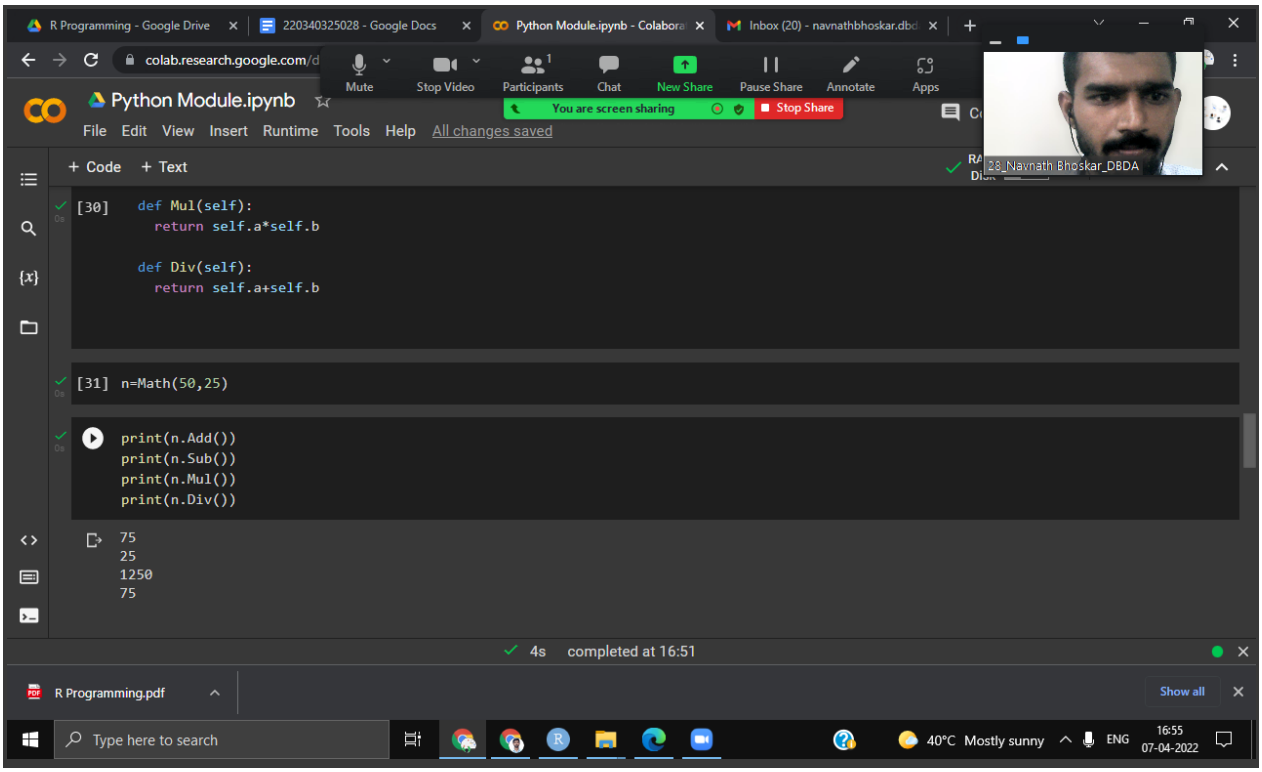
Type here to search
40°C Mostly sunny
ENG
16:55
07-04-2022



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))
```

]

4s

```
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

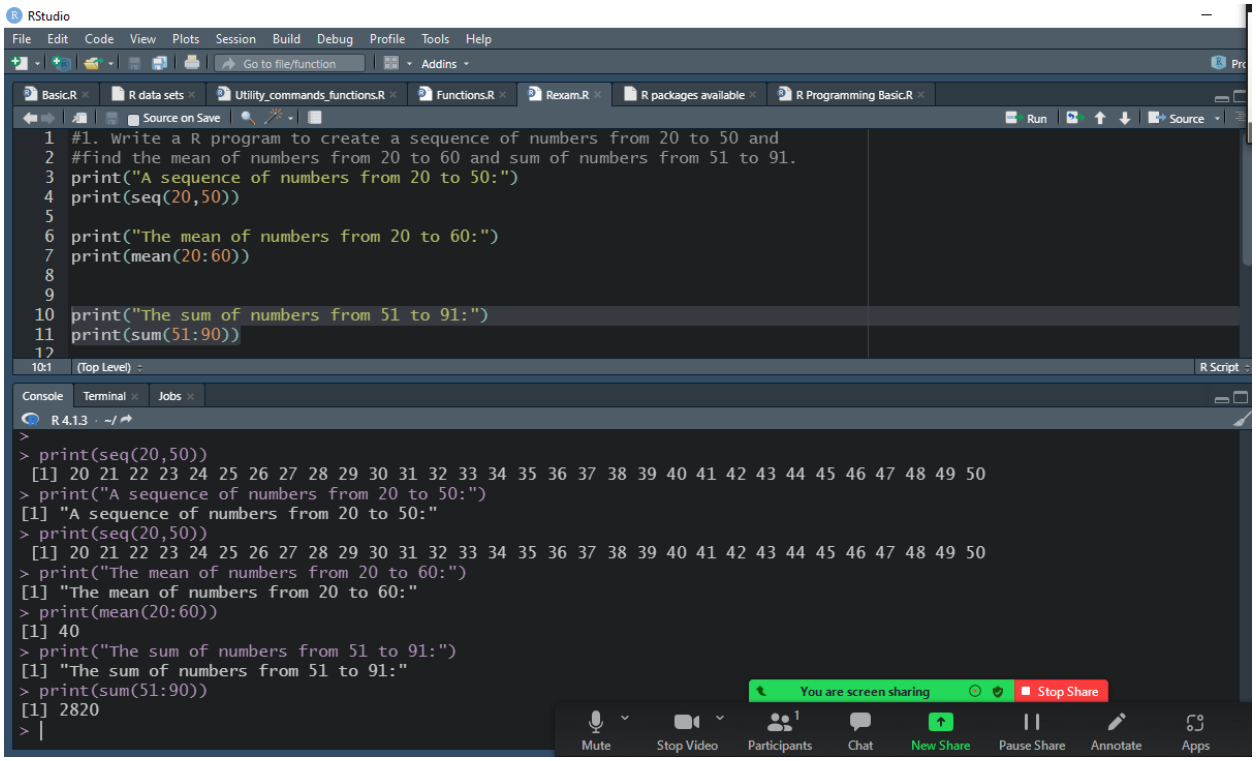
R:-

1. Write a R program to create a sequence of numbers from 20 to 50 and find the mean of numbers from 20 to 60 and sum of numbers from 51 to 91.

```
print("A sequence of numbers from 20 to 50:")
print(seq(20,50))

print("The mean of numbers from 20 to 60:")
print(mean(20:60))

print("The sum of numbers from 51 to 91:")
print(sum(51:90))
```




```
> print(seq(20,50))
 [1] 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
49 50
> print("A sequence of numbers from 20 to 50:")
```

```
[1] "A sequence of numbers from 20 to 50:"
> print(seq(20,50))
 [1] 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48
49 50

> print("The mean of numbers from 20 to 60:")
[1] "The mean of numbers from 20 to 60:"
> print(mean(20:60))
[1] 40

> print("The sum of numbers from 51 to 91:")
[1] "The sum of numbers from 51 to 91:"
> print(sum(51:90))
[1] 2820
```

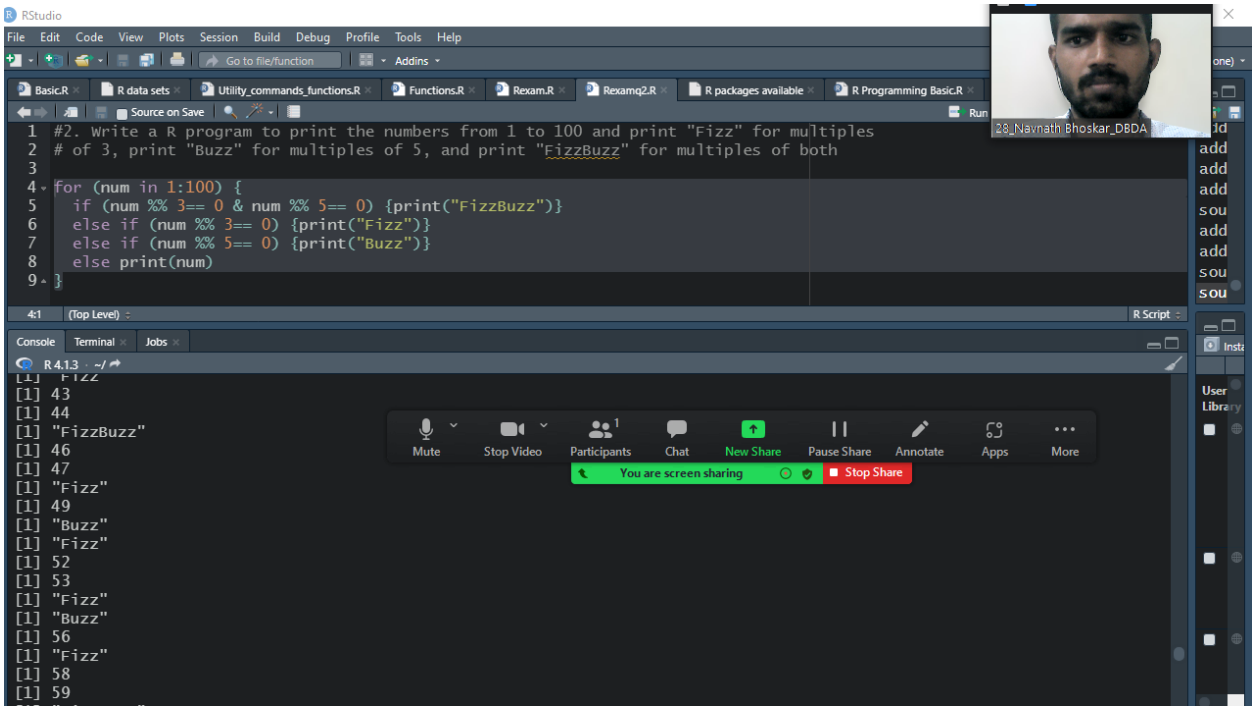
2. Write a R program to print the numbers from 1 to 100 and print "Fizz" for multiples of 3, print "Buzz" for multiples of 5, and print "FizzBuzz" for multiples of both

```
for (num in 1:100) {
  if (num %% 3== 0 & num %% 5== 0) {print("FizzBuzz")}
  else if (num %% 3== 0) {print("Fizz")}
  else if (num %% 5== 0) {print("Buzz")}
  else print(num)
}
```

```
[1] 1
[1] 2
[1] "Fizz"
[1] 4
[1] "Buzz"
[1] "Fizz"
[1] 7
[1] 8
[1] "Fizz"
[1] "Buzz"
[1] 11
[1] "Fizz"
[1] 13
[1] 14
[1] "FizzBuzz"
[1] 16
[1] 17
[1] "Fizz"
[1] 19
[1] "Buzz"
[1] "Fizz"
[1] 22
[1] 23
[1] "Fizz"
[1] "Buzz"
[1] 26
[1] "Fizz"
[1] 28
```

[1] 29
[1] "FizzBuzz"
[1] 31
[1] 32
[1] "Fizz"
[1] 34
[1] "Buzz"
[1] "Fizz"
[1] 37
[1] 38
[1] "Fizz"
[1] "Buzz"
[1] 41
[1] "Fizz"
[1] 43
[1] 44
[1] "FizzBuzz"
[1] 46
[1] 47
[1] "Fizz"
[1] 49
[1] "Buzz"
[1] "Fizz"
[1] 52
[1] 53
[1] "Fizz"
[1] "Buzz"
[1] 56
[1] "Fizz"
[1] 58
[1] 59
[1] "FizzBuzz"
[1] 61
[1] 62
[1] "Fizz"
[1] 64
[1] "Buzz"
[1] "Fizz"
[1] 67
[1] 68
[1] "Fizz"
[1] "Buzz"
[1] 71
[1] "Fizz"

[1] 73
[1] 74
[1] "FizzBuzz"
[1] 76
[1] 77
[1] "Fizz"
[1] 79
[1] "Buzz"
[1] "Fizz"
[1] 82
[1] 83
[1] "Fizz"
[1] "Buzz"
[1] 86
[1] "Fizz"
[1] 88
[1] 89
[1] "FizzBuzz"
[1] 91
[1] 92
[1] "Fizz"
[1] 94
[1] "Buzz"
[1] "Fizz"
[1] 97
[1] 98
[1] "Fizz"
[1] "Buzz"


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Basic.R
R data sets
Utility_commands_functions.R
Functions.R
Rexam.R
Rexamq2.R
R packages available
R Programming Basic.R
Source on Save
#2. Write a R program to print the numbers from 1 to 100 and print "Fizz" for multiples
# of 3, print "Buzz" for multiples of 5, and print "FizzBuzz" for multiples of both
for (num in 1:100) {
if (num %% 3== 0 & num %% 5== 0) {print("FizzBuzz")}
else if (num %% 3== 0) {print("Fizz")}
else if (num %% 5== 0) {print("Buzz")}
else print(num)
}
(Top Level)
R Script
Console
Terminal
Jobs
R 4.1.3 · ~/
[1] 43
[1] 44
[1] "FizzBuzz"
[1] 46
[1] 47
[1] "Fizz"
[1] 49
[1] "Buzz"
[1] "Fizz"
[1] 52
[1] 53
[1] "Fizz"
[1] "Buzz"
[1] 56
[1] "Fizz"
[1] 58
[1] 59
28_Navnath Bhoskar_DBDA
Mute
Stop Video
Participants
Chat
New Share
Pause Share
Annotate
Apps
More
You are screen sharing
Stop Share