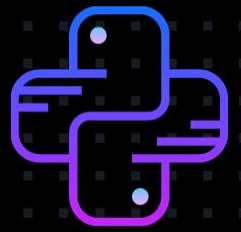


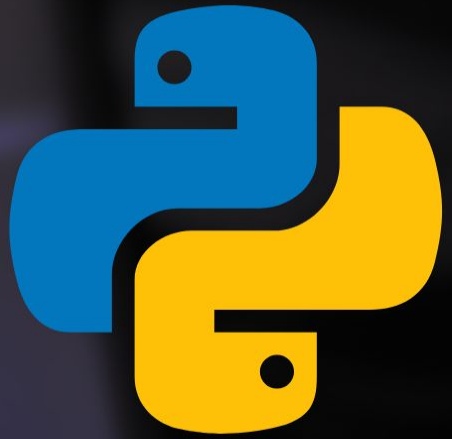
Day 3

Presented on June 23, 2021

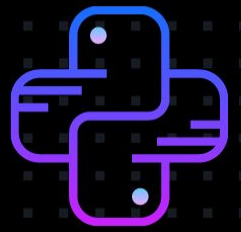
Akif Islam

BEGINNER'S COURSE ON

PYTHON



VIRTUAL SESSION (JUNE 20- JUNE 24)



Quick Recap

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alphabets = “**ABCDEFGHIJKL**”

```
print(alphabets [0] )      #A
print(alphabets [0:5] )    #ABCDE
print(alphabets [-1] )     #L
print(alphabets[3:6])      #DEF
```

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course = “**coUrse oN PyThon**”

```
print(course.upper() )    #COURSE ON PYTHON
print(course.lower() )    #course on python
print(course. title() )    #Course On Python
print(course.find(‘Y’))    # -1
print(course.count(‘o’))    # 3
print(course.replace(“oN”, “of”)) # coUrse of PyThon
```

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```
A = 10
B = 55

print (B/A) # 5.5
print (B//A) # 5
print(B**A) # 25329516211914062 5
print(B*A)  #550
print(B%A) #5
```

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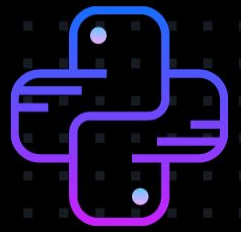

Quiz

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Steps to Join

For PC:
Go to this link (Kahoot): https://kahoot.it/

For Mobile:
Install ‘Kahoot!’ app from Playstore

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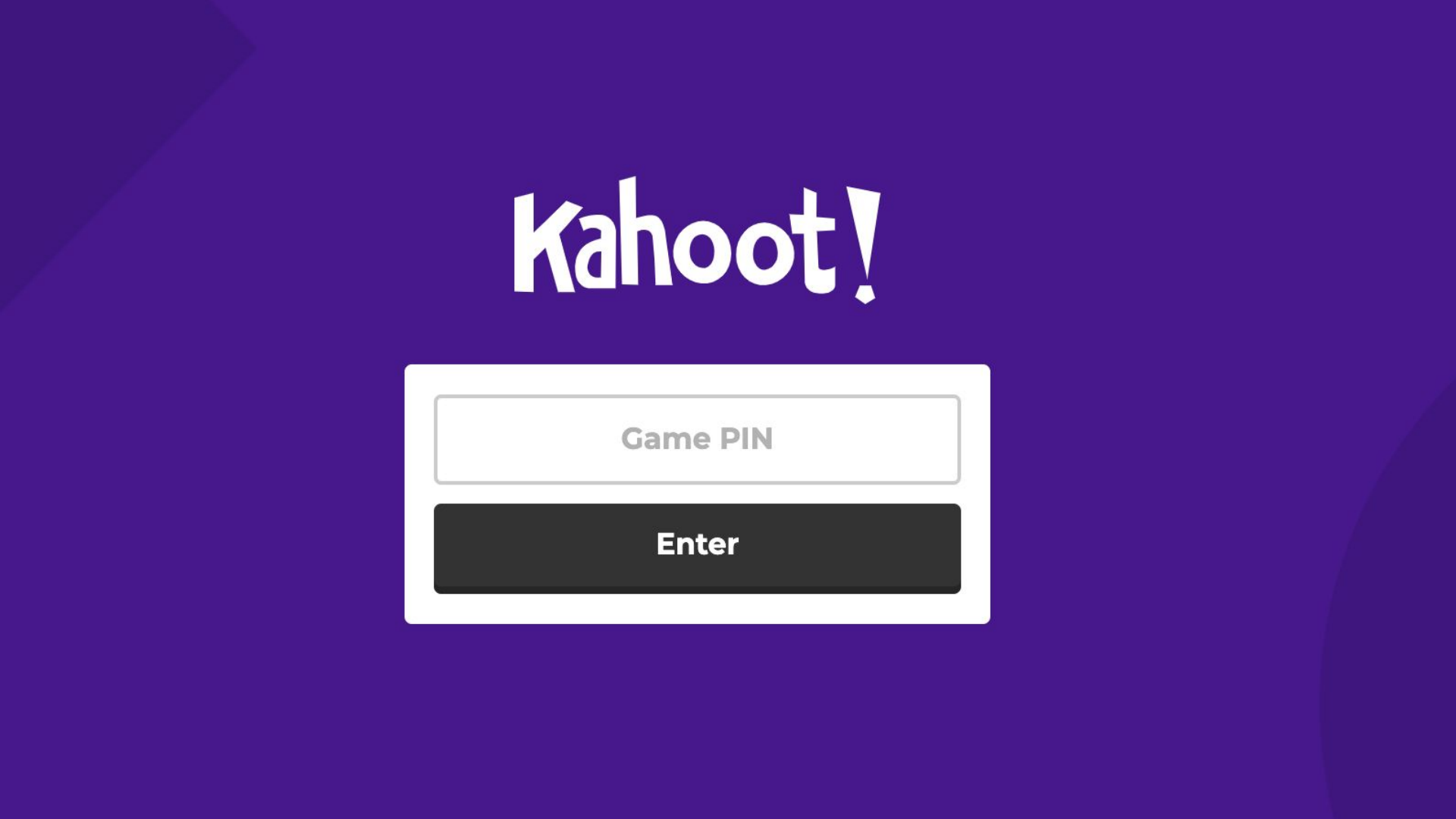
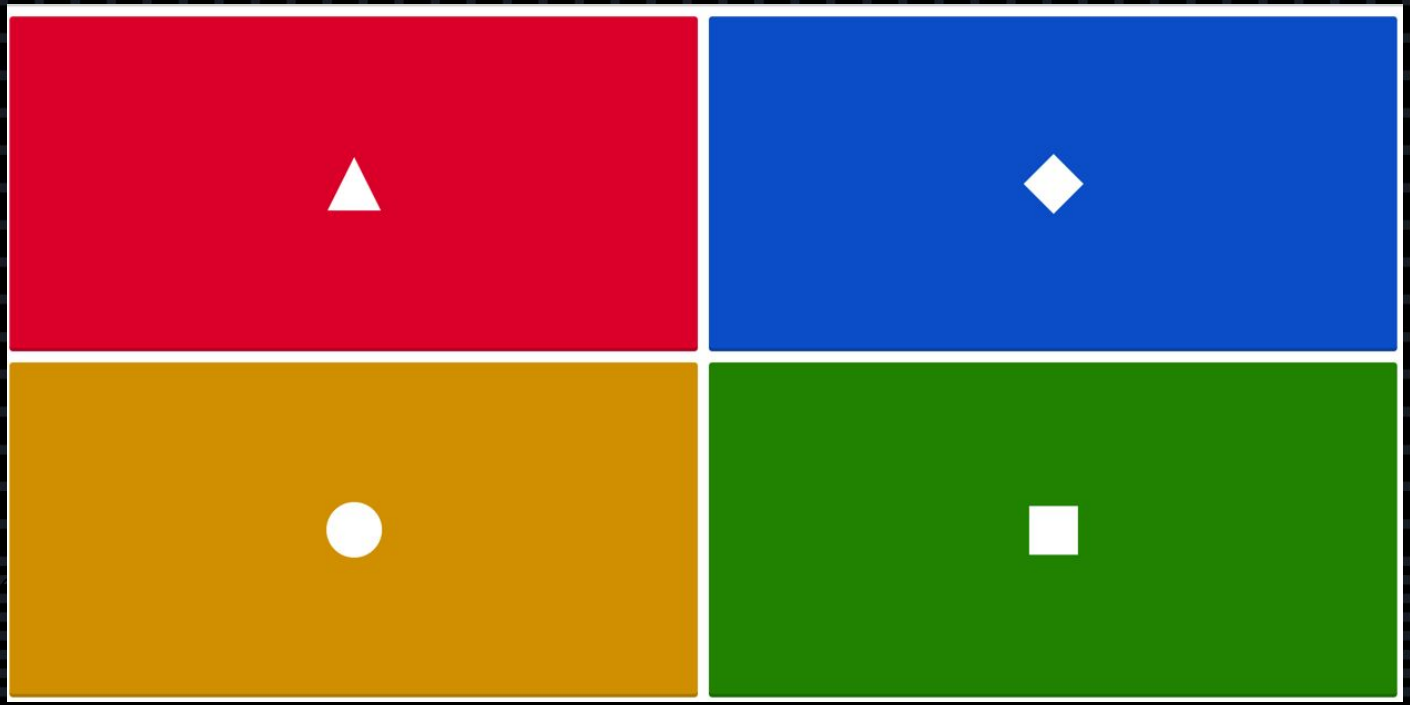

Kahoot!
Game PIN
Enter

Questions will be shown on Zoom
You just have to choose the right answer



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Disclaimers & Prizes

Let's Start

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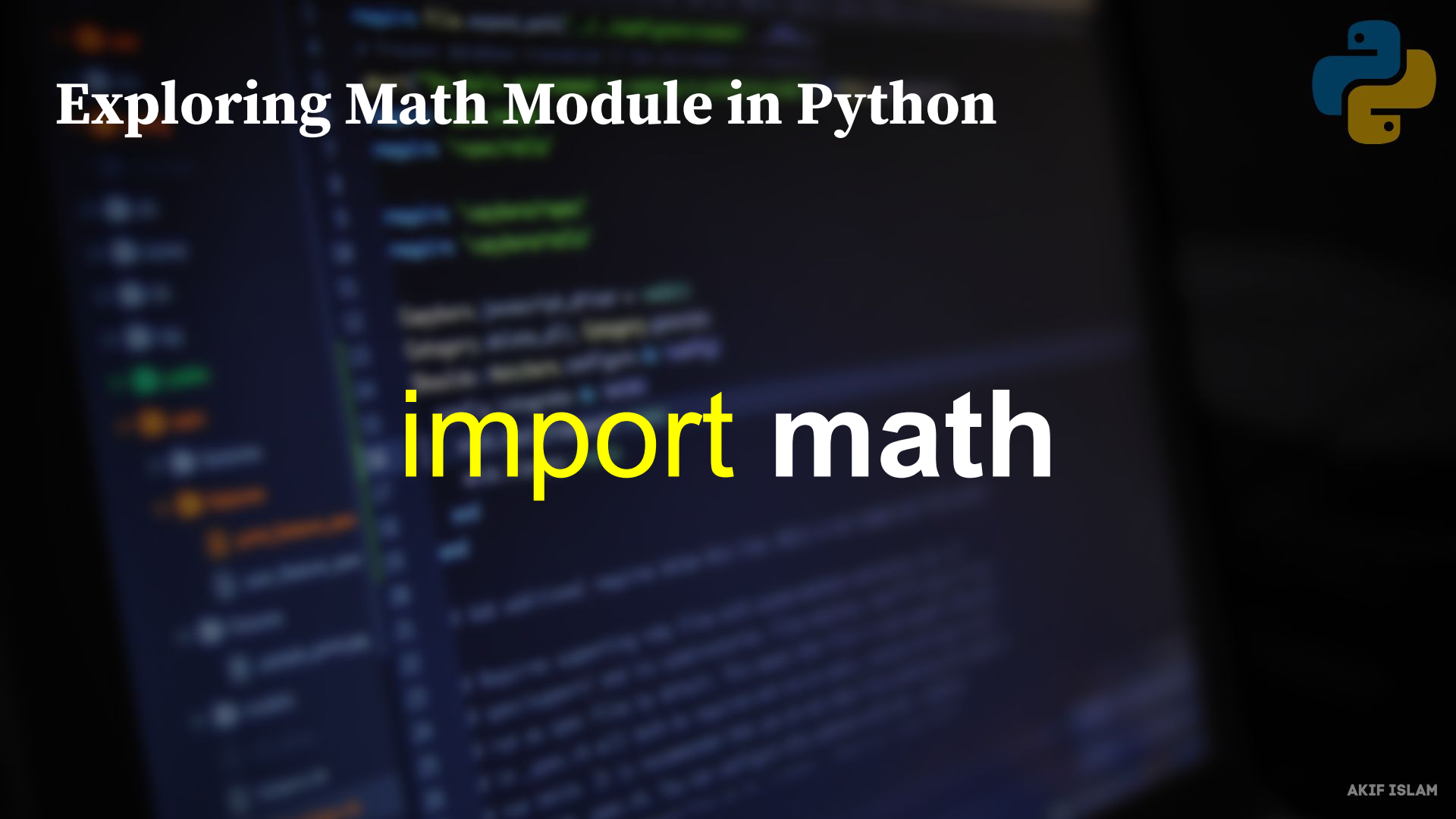
Exploring Math Module in Python



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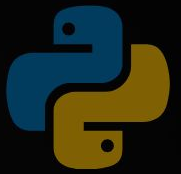
Exploring Math Module in Python



fabs ( )
ceil ( )
round ( )
factorial ( )
gcd( )

Full Documentation : https://docs.python.org/3/library/math.html

Operator Precedence

1. parenthesis
2. exponentiation
3. multiplication / division
4. addition / subtraction

Assigning from Right to Left

```
A = 50
B = 10
A = A + A + B
print (A)  #110
```

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Assigning from Right to Left

```
A = 50
B = 10
A = A + A + B
print (A)  #110
```

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How to use
If - Else
in Python ?
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If Statements

A = 50, B = 30

```
if A>B:
    print("A is greater")

elif  A<B:
    print("B is greater")

else:
    print("A and B are equal")
```

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Comparison Operators

a > b

a >= b (greater than or equal to)

a < b

a <= b

a == b (equals)

a != b (not equals)

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Logical Operators

```
if has_high_income and has_good_credit:  ...
if has_high_income or has_good_credit:  ...
is_day = True  is_night = not is_day
```

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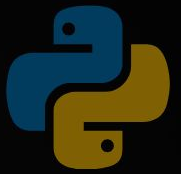
Class Task

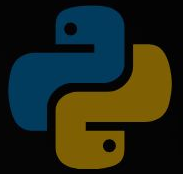


Create a currency-converter program which will convert **Bangladeshi Taka to US Dollar** and vice versa.

Input : 10 $
Output : 800 TK

Input : 80 TK
Output : 1 $

Home Work



Make a calculator app which will work on the terminal.

First it will take 2 numbers. Then user will choose to addition(1) /subtraction(2) / multiplication(3) / division (4)

Input :
5 2
1
Output :
7

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