

# Syntax Reference

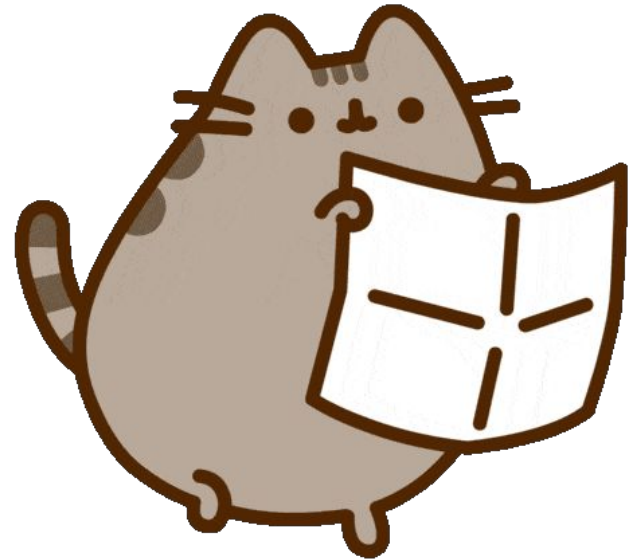
```
answer = input("Type something: ")
```

```
num = random.randint(min, max)
```

```
print("Message")
```

```
while True:
```

```
if (condition):  
    # do something  
else:  
    # do something else
```



# Mixing Types

```
def display_scoops():  
    print("I want " + str(4) + "  
scoops")
```

TypeError: can only concatenate str(not  
"int") to str

More scoops!



# Mixing Types

```
def double():  
    num = int(input("Enter number: "))  
    # user inputs 2  
    print(num * 2)
```

22

A multiplication  
mystery...



# Quickstart

# Area Calculator

Please enter a circle radius: 5

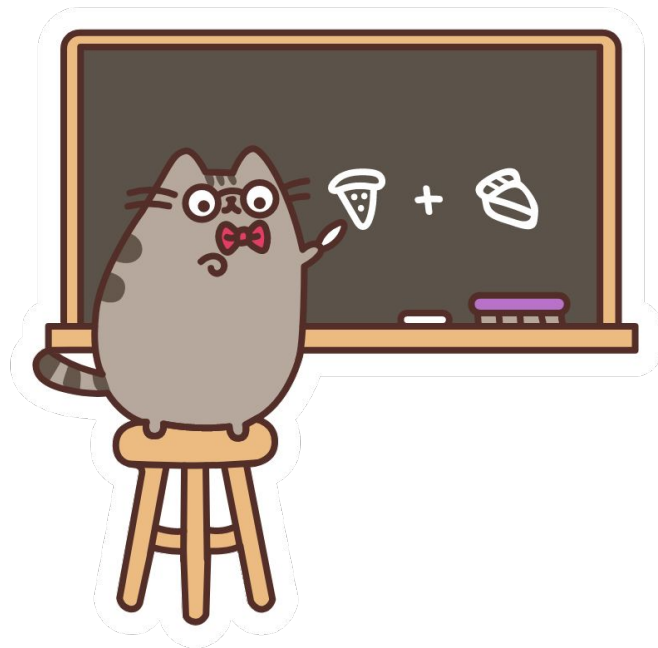
The area of your circle is: 78.53981633974483

Please enter a circle radius: -3

Error! You entered an invalid radius.

Please enter a circle radius: 0

Error! You entered an invalid radius.



# Area Calculator

```
import math

def main():
    print(math.pi)
```



3.141592653589793



# Section Problem

# 8-Ball

Ask a yes or no question: Will Ghana win the world cup?  
only Karel knows

Ask a yes or no question: Is Karel married?  
good question!

Ask a yes or no question: Is my real name Nick  
Without a doubt

Ask a yes or no question: 8-Ball, are you using random  
numbers?  
yes

Ask a yes or no question:





# 8-Ball

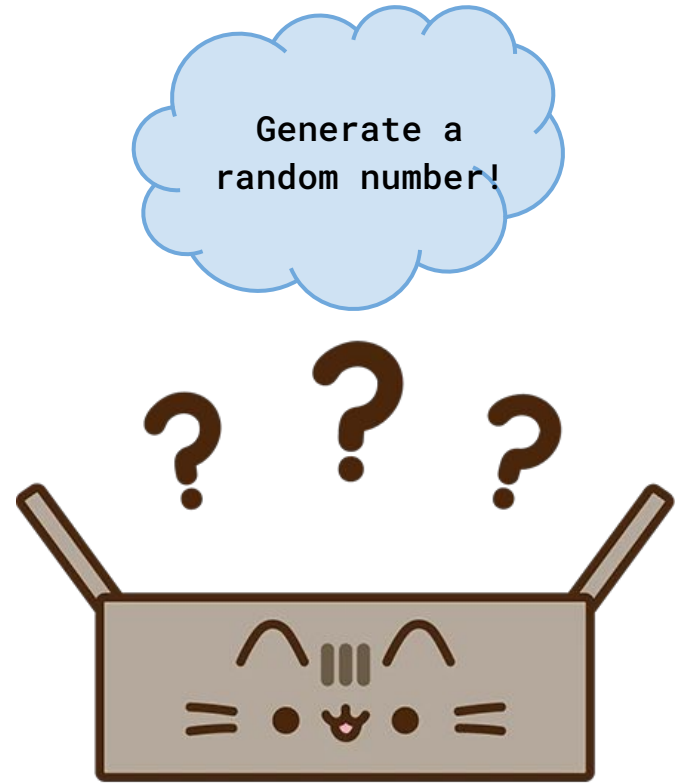
Without a doubt.

Yes.

Ask again later.

No.

Karel thinks so.



# Viral Video

Please enter the target number: 100

Please enter the growth rate: 3

Day 1: 1 view

Day 2: 3 views

Day 3: 9 views

Day 4: 27 views

Day 5: 81 views

Day 6: 243 views

It took you 6 days to reach of exceed your goal of 100 views!

