

In []:

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# Name: Nitin Rajendra Yeranale
# Batch: A1
# Experiment Title: Write a Program to implement monkey banana problem.
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Roll No: 53
Class: SY_MCA

In [2]:

```
import random
class Monkey:
    def __init__(self, bananas):
        self.bananas = bananas
    def __repr__(self):
        return "Monkey with %d bananas." % self.bananas
monkeys = [Monkey(random.randint(0, 50)) for i in range(5)]

print("Random monkeys:")

print(monkeys)
print()

def number_of_bananas(monkey):

    return monkey.bananas
print("number_of_bananas( FIRST MONKEY ): ", number_of_bananas(monkeys[0]))
print()
max_monkey = max(monkeys, key=number_of_bananas)
print ("Max monkey: ", max_monkey)
```

Random monkeys:

[Monkey with 27 bananas., Monkey with 27 bananas., Monkey with 13 bananas.,
Monkey with 43 bananas., Monkey with 23 bananas.]

number_of_bananas(FIRST MONKEY): 27

Max monkey: Monkey with 43 bananas.

In []: