In [ ]:
```
# WAP ask the user enter a basic_salary
#     ask the user enter DA amount
#     ask the user enter HRA amount
#Calculate total pay = basic_Salary+DA+HRA


# step-1:

basic_salary=eval(input("enter a basic salary:"))
DA=eval(input("enter DA amount:"))
HRA=eval(input("enter HRA amount"))
total_pay=basic_salary+DA+HRA
print("the total salary is:",total_pay)
```

In [ ]:
```
basic_salary
```

In [ ]:
```
# WAP ask the user enter salary
#     ask the user tax percentage
#calculate how much tax user need to pay

salary=eval(input("Enter your salary: "))
tax_percent=eval(input("Enter your tax percentage: "))
tax_amount=(salary*tax_percent)/100
print("Total tax is",tax_amount)
```

In [ ]:
```
what if we use int(input()) inplace of eval()
```

In [ ]:
```
('100.5')
```

In [ ]:
```
float('100.5')
```

In [ ]:
```
# WAP ask the user get a random value between 1 and 100
# perform the square of the number

# package name:  random
# method name:   randint
```

In [ ]:
```
eval(input("enter a number"))
```

In [ ]:
```
import random
number=random.randint(1,100)
square=number*number
print("the square of {} is {}".format(number,square))
```

In [ ]:
```
NameError                                 Traceback (most recent call last)
Cell In[10], line 3
      1 Salary=eval(input("Enter a enter salary:"))
      2 tax_percentage=eval(input("Enter a tax percentage:"))
----> 3 tax_amount=(salary*tax_percent)/100
      4 print("Total tax is",tax_amount)

NameError: name 'salary' is not defined
```

In [ ]:
```
```

In [ ]:
```
number=100    # 100 is saved in a variable 'number'
square=number*number # 100*100
print("the square of {} is {}".format(number,square))
```

In [ ]:
```
number=eval(input('enter a number'))
square=number*number
print("the square of {} is {}".format(number,square))
```

In [ ]:
```
import random
number=random.randint(1,400) # computer will generate a random number
# between 1 to 100 , that will save in number
square=number*number
print("the square of {} is {}".format(number,square))
```

In [ ]:
```
What is the use of random.randint function in practical?
statistics

can we strictly accept 2 digit number only when user gives input....is the

directly it is not possibile
222
```

In [ ]:
```
eval(input())
```

In [ ]:
```
# WAP ask the user enter a distance=20km
#     ask the user enter a rate per km= 2
#calculate total charge=20*2=40rs

distance=eval(input("enter distance in km:"))
rate=eval(input("enter rate per km:"))
charge=distance*rate
print("For {} km the charge is {} rs".format(distance,charge))
```

In [ ]:
```
# ask the user enter total bill in dollars : 100
# manger: the dollars are not accepted
# user: what will accepted
# manager: only indian rupees
# ask the user enter one dollar is equal to how many rupeers: 80
# total bill= 100*80
# manger: Thank you!
```

In [ ]:
```
bill=eval(input("enter total bill in dolars"))
conversion_rate=eval(input('One dollar equal to:'))
total_amount=bill*conversion_rate
print(total_amount)
```

In [ ]:
```
a = eval(input("enter total bill in dollars:"))
print("manager: the dollars are not accepted")
print("user: what will be accepted?")
print("manager: only indian rupees ")
b=eval(input("enter one dollar is equals to :"))
c = a*b
print("total amount in rs is {} ".format(c))
```

In [ ]:
```
bill=eval(input("Enter total bill in dollars: "))
print("Manager: Dollars are not accepted.")
print("User: Which currency will be accepted?")
print("Manager: Only Indian rupee")
convrsn_rate=eval(input("User: May I know 1 dollar equals how much in rupees
print("For your bill of {} dollars, you need to pay {} rs.".format(bill,bil
```

In [ ]:
```
bill=eval(input("Enter total bill:"))
print("Manger: Cant accept the biill in dollers:")
print("customer:the how much the one doller is in rupees:")
convert=eval(input("one doller value in rupees is?:"))
total_bill=bill*convert
print("the total bill ammount in rupees is:{}" .format(total_bill))
```

In [ ]:
```
bill=eval(input("enter toatal bill in dollers"))
print("manager:the dollers are not accepted")
print("user:what will accepted")
print("manager:only in indian rupees")
doll=eval(input("one doller equal to"))
totalbill=bill*doll
print("the totalbill {} is".format(totalbill))
print("manager:thank you")
```

In [ ]:
```
bill=eval(input("Enter total bill in dollars"))
print("manager:The dollars are not accepted")
print("user:What will be accepted")
print("manager:only indian ruppes")
conversion_rate=eval(input("One dollar equal to: "))
total_amount=bill*conversion_rate
print(total_amount)
```

In [1]:
```
import time
bill=eval(input("Enter total bill in dollars: "))
time.sleep(2)
print("Manager: Dollars are not accepted.")
time.sleep(2)
print("User: Which currency will be accepted?")
time.sleep(2)
print("Manager: Only Indian rupee")
time.sleep(2)
convrsn_rate=eval(input("User: May I know 1 dollar equals how much in rupees
print("For your bill of {} dollars, you need to pay {} rs.".format(bill,bil
```

```
Enter total bill in dollars: 100
Manager: Dollars are not accepted.
User: Which currency will be accepted?
Manager: Only Indian rupee
User: May I know 1 dollar equals how much in rupees?80
For your bill of 100 dollars, you need to pay 8000 rs.
```

In [5]:
```
Bill=eval(input("Manager:Enter the total bill in dollars:"))
input('Manager Reponse:')
input("User Response:")
input('Manger Response:')
CR=eval(input("Dollar conversion:"))
Total= Bill*CR
print("The total amount is:",Total)
```

```
Manager:Enter the total bill in dollars:100
Manager Reponse:NA
User Response:what
Manger Response:INR
Dollar conversion:80
The total amount is: 8000
```

In [3]:
```
input('enter a number')
```

```
enter a number10
```

Out[3]:
```
'10'
```

In [ ]:
```
# Father and Son/D
# Father: which course you wants to do
# S/D   : I want to pursue DS course
# Father: Oh! That is very Nice!
# Father: May I know your JEE rank
# Son:  20000 ========================== user input
# Father: Then how can you purse
# Son:   Payment seat
# Father: Which college is offer
# Son:  Naresh IT======================== user input
# Father: How much is the fee
# Son:  20000 ========================== user input
# Father: How many sem
# Son: 4 ============================== user input
# Father:  how much total cost
# 4*20000 ============================ calculation
```

In [6]:
```
print(" Father : Which course you want to do")
print("Daughter: I want to persue Data Science Course")
print("Father:Oh! That is very Nice")
print("Father: May I know your JEE rank")
eval(input("Son: "))
print("Than how can you persue")
print("Payment seat")
print("Which college offers it")
input("Son: ")
print("Father: What is the fees")
fee=eval(input("Son: Fees is "))
print("Father: How many semesters")
sem_no=eval(input("Son : No of semesters is "))
print("Father : What is the total cost")
print("Total cost is ",fee*sem_no)
```

```
 Father : Which course you want to do
Daughter: I want to persue Data Science Course
Father:Oh! That is very Nice
Father: May I know your JEE rank
Son: 2000
Than how can you persue
Payment seat
Which college offers it
Son: ni
Father: What is the fees
Son: Fees is 2000
Father: How many semesters
Son : No of semesters is 4
Father : What is the total cost
Total cost is  8000
```

In [7]:
```
import time
print("Father: Which course you want to do?")
time.sleep(1)
print("Son: I want to pursue DataScience")
time.sleep(1)
print("Father: Oh! Thats nice son")
time.sleep(1)
print("Father: May I know your JEE rank?")
print("Son: Its 2lk+")
time.sleep(1)
print("Father: How can you pursue?")
print("Son: payment seat")
print("Father: Who is offering?")
time.sleep(1)
input("Son: ")
print("Father: How much is the fee per sem?")
sem_cost=eval(input("Son: "))
print("Father: How many sems?")
sems=eval(input("Son: "))
time.sleep(1)
print("Father: So total cost for {} sems will be {}.".format(sems,sems*sem_
```

```
Father: Which course you want to do?
Son: I want to pursue DataScience
Father: Oh! Thats nice son
Father: May I know your JEE rank?
Son: Its 2lk+
Father: How can you pursue?
Son: payment seat
Father: Who is offering?
Son: ni
Father: How much is the fee per sem?
Son: 20
Father: How many sems?
Son: 4
Father: So total cost for 4 sems will be 80.
```

In [8]:
```
import time
print("Son:hi dad i want to do some course instead of some post grad")
time.sleep(2)
print("Father:Which course you want to do?")
time.sleep(2)
print("son:DATA SCIENCE")
time.sleep(2)
print("Father: Oh thats nice then")
time.sleep(2)
print("Father: Can i aknow the JEE rank of yours?")
time.sleep(2)
rank=eval(input("son:'the rank is:'"))
time.sleep(2)
print("Father:Then how you pursue further")
time.sleep(2)
print("son: Payment seat i am thinking of")
time.sleep(2)
print("Father:Ok,  Which college is offering this course on payment")
time.sleep(2)
input("son:")
print("Father:How much the fees?")
time.sleep(2)
rank=eval(input("son:'the fees is:'"))
time.sleep(2)
print("father:'how much total?'")
time.sleep(2)
calculate=rank*4
time.sleep(2)
print("son:total fees is {}" .format(calculate))
```

```
Son:hi dad i want to do some course instead of some post grad
Father:Which course you want to do?
son:DATA SCIENCE
Father: Oh thats nice then
Father: Can i aknow the JEE rank of yours?
son:'the rank is:'2
Father:Then how you pursue further
son: Payment seat i am thinking of
Father:Ok,  Which college is offering this course on payment
son:ni
Father:How much the fees?
son:'the fees is:'20
father:'how much total?'
son:total fees is 80
```

In [9]:
```
input("father")
input("daughter")
input("father")
input("father")
rank=eval(input("jee rank"))
input("father:")
input("daughter:")
input("father")
college=str(input("college name"))
input("father:")
fee=eval(input("fee is"))
input("father:")
sem=eval(input("sems are"))
input("father:")
totalamont=fee*sem
print("total amont is{}: ".format(totalamont))
```

```
fatherhey
daughterds
fathernice
fatherjee
jee rank20
father:how
daughter:pay
fatherwhich
college nameni
father:sem
fee is20
father:sem
sems are4
father:to
total amont is80:
```

In [ ]:

In [ ]: