1.

t=int(input("enter the testcases:"))  
for i in range(t):  
 x=int(input("masterchefs class:"))  
 y=int(input("cost of classes per week:"))  
 z=x\*y  
 print(z)

O/P:

enter the testcases:4

masterchefs class:1

cost of classes per week:10

10

masterchefs class:1

cost of classes per week:15

15

masterchefs class:2

cost of classes per week:10

20

masterchefs class:2

cost of classes per week:15

30

Process finished with exit code 0

2.

t=int(input("enter the testcases:"))  
for i in range(t):  
 a=input("enter the substring:")  
 b=0  
 for j in a:  
 if(j=="a" or j=="e" or j=="i" or j=="o" or j=="u"):  
 b=b+1  
 elif(b>2):  
 break  
 else:  
 b=0  
 if(b>2):  
 print("Happy")  
 if(b<2):  
 print("sad")

O/P:

C:\Users\KANDHAN.J\PycharmProjects\SANDY\venv\Scripts\python.exe "C:/Users/KANDHAN.J/PycharmProjects/SANDY/sandys/santhosh assignment2.py"

enter the testcases:4

enter the substring:aeiou

Happy

enter the substring:abxy

sad

enter the substring:aebcdefghij

sad

enter the substring:abcdeeafg

Happy

Process finished with exit code 0

3.

t=int(input("enter the testcases:"))  
for i in range(t):  
 a=int(input("number of digits:"))  
 b=input("lenth of string:")  
 for i in b:  
 if i=="0" or i=="5":  
 print("yes")  
 break  
 else:  
 print("no")

O/P:

enter the testcases:3

number of digits:3

lenth of string:115

yes

number of digits:3

lenth of string:103

yes

number of digits:3

lenth of string:119

no

Process finished with exit code 0

5.

t=int(input("enter the testcases:"))  
for i in range(t):  
 a=int(input("enter the value:"))  
 b=int(input("enter the vale:"))  
 c=(b\*a/10)  
 print(c)

O/P:

enter the testcases:4

enter the value:10

enter the vale:3

3.0

enter the value:100

enter the vale:10

100.0

enter the value:130

enter the vale:4

52.0

enter the value:70

enter the vale:0

0.0

Process finished with exit code 0

8.

t=int(input("enter the testcases:"))  
for i in range (t):  
 x=int(input("enter the single integer:"))  
 if x%3==0:  
 print(0)  
 elif x%3==1:  
 print(2)  
 elif x%3==2:  
 print(1)

O/P:

enter the testcases:4

enter the single integer:0

0

enter the single integer:100

2

enter the single integer:32

1

enter the single integer:18

0

Process finished with exit code 0

7.

t=int(input("enter the testcases:"))  
for i in range(t):  
 x,y,z=list(map(int,input("enter the value:").split()))  
 re=(x\*4)+(y\*2)  
 print(re)

O/P:

enter the testcases:4

enter the value:6 6 5

36

enter the value:8 7 2

46

enter the value:9 3 8

42

enter the value:9 2 4

40

Process finished with exit code 0