1.Program to find the age eligibility to take a ride on roller coaster:

g=int(input("enter the test cases"))

for i in range (0,g):

a=int(input("enter the minimum height"))

b=int(input("enter the height"))

if a<b:

print("NO")

else:

print("YES")

O/P:

enter the test cases3

enter the minimum height 17

enter the height 18

NO

2.Program to find the total cost of briyani classes:

n=int(input("enter the value"))

for i in range (0,n):

c,m=map(int,input().split())

z=c\*m

print(z)

O/P:

enter the value2

10 20

200

20 30

600

3.Program to check the age limit to be eligible for taking the exam**:**

d=int(input("enter the total cheif"))

for i in range (0,d):

a=int(input("minimum age limit "))

b=int(input("maximum age limit"))

c=int(input("enter the chef age"))

if a<=c<b:

print("yes")

else:

print("no")

O/P:

enter the total cheif4

minimum age limit 24

maximum age limit36

enter the chef age25

yes

4.Program to find out the total prize amount for participants with rank from 1 to 100:

n=int(input("enter the value"))

for i in range (0,n):

a=int(input("enter the value"))

b=int(input("enter the value"))

c=a\*10+b\*90

print(c)

O/P:

enter the value 4

enter the value 1000

enter the value 100

19000

enter the value 1000

enter the value 1000

100000

enter the value 80

enter the value 1

890

enter the value 400

enter the value 30

6700

5.Program to check if the brain speed is prone to error with the threshold value:

t = int(input("enter the number of test cases:"))

for i in range(0, t):

n = input("enter the value:")

a = [int(j) for j in n.split()]

if 1 <= a[1] <= a[0] <= 100:

print("NO")

else:

print("YES")

O/P:

enter the number of test cases:2

enter the value:50 60

YES

enter the value:100 20

NO

6.Program to find how much minimum score points Charlie needs to score to 7 before game ends:

n= int(input("enter the value"))

for i in range (0,n):

a=int(input("enter the value"))

b=int(input("enter the value"))

c=7

if (a>b):

print(c-a)

elif(a<b):

print(c-b)

else:

print(c-b)

O/P:

enter the value4

enter the value0

enter the value0

7

enter the value2

enter the value5

2