OUTPUT

Q1

Enter a number to check if it is perfect:45

45 is not a perfect number

Q2

Enter a word, phrase or sequence to see if it is a palindrome:racecar

It is a palindrome.

Q3

```
   1
  1 1
 1 2 1
1 3 3 1
1 4 6 4 1
```

Q4

Enter a string to check if it is a pangram: i am a boy

It is not a pangram.

Q5

Enter a hyphen-separated sequence of words: hello how are you

hello how are you

Q6

Student ID: 21107221

Student Name: Matthew

Student ID: 21101201

Student Name: Henry

Student Name: Henry

Student Class: 12

Q7

<__main__.Student object at 0x000002D1ADEB3E80>

Navodit

<__main__.Marks object at 0x000002D1ADEB3E20>

70

82

class Student: <class 'type'> class Marks: <class 'type'>

Q8

[[-10, 2, 8], [-7, -3, 10]]

Q9

True

False

True