Exercise 01

WHAT YOUR PROGRAM SHALL DO

- You need to test an **array of numbers**
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- The array should not empty. If empty, display on console:
  This array is empty
- To be valid, each numbers of the array shall be composed of **exactly 2 digits** and must be **positive**
- If valid, display on console:
  Valid array
- If not valid, display on console:
  Invalid array

INPUT		EXPLANATION
[]	This array is empty.	Array is empty.
[22, 33, 4, 2]	Invalid array	One value has 1 digit only
[22, 33, 44, -22]	Invalid array	One value is negative
[21, 33, 44, 66]	Valid array	Here is correct format

Exercise 02

WHAT YOUR PROGRAM SHALL DO
- We have a text composed of several words - Convert the **first character** of each word to uppercase - Add all the word to a new array   ○ except the word that start by letter **“w”** - Console shall be display the new array that contains all those words.

INPUT	CONSOLE
`hello! welcome to web programing at pnc`	`[‘Hello!’, ‘To’, ‘Programing’, ‘At’, ‘Pnc’]`
`romdul is cute girl`	`[‘Romdul’, ‘Is’, ‘Cute’, ‘Girl’`
“”	`[]`

Exercise 03

WHAT YOUR PROGRAM SHALL DO
- We are an array of numbers - Remove float numbers from this array

INPUT	CONSOLE
`[2.2, 23.4, 3, 33, 10, 50, 90]`	`[3, 33, 10, 50, 90]`
`[2, 1, 2, 3.45, 78.3]`	`[2, 1, 2]`
`[2, 1, 3, 4]`	`[2, 1, 3, 4]`

Exercise 04

WHAT YOUR PROGRAM SHALL DO
- We have 3 lists: • Array of students (string) • Array of countries (string) • Array of majors (string) Return an **array of objects** ○ each object having a student, country, major as property -

INPUT	EXPLANATION
students [“Romdul”, “RomChong”, “Kolap”] countries [“Canada”, “Cambodia”, “Thai”] majors [“SNA”, “WEB”, “Database”]	[{student:”Romdul”, country:”Canada”, major:”SNA”}, {student:”RomChong”, country:”Cambodia”, major:”WEB”}, {student:”Kolap”, country:”Thai”, major:”Database”}]