Create a file on Matrix called `quiz3-4.txt`

Answer the following 4 questions in the above text file.

When done submit your quiz as follows:

```
~fardad.soleimanloo/submit ipcq3-4 <ENTER>
```

Q1:
Write a program that asks the user for an integer number larger than 2 and then prints the list of all the numbers between 2 and the received number multiplied by itself:

If the number received from user is less than 2, then print an error message and exit the program.

Assuming that the executable is saved under “qz3”, the program should run like this:

```
$> qz3 <ENTER>
Please enter an integer larger than 2: 1 <ENTER>
Value entered must be greater than or equal to 2!
Goodbye!

$> qz3 <ENTER>
Please enter an integer larger than 2: 5 <ENTER>
2 x 2 = 4
3 x 3 = 9
4 x 4 = 16
5 x 5 = 25
Goodbye!
```

Q2:
If series of integer numbers are in an array of integers called “**vals**” and the number of elements of this array is in a variable called “**size**”. Write a code snippet that prints “N”, “P” OR “Z” for each number depending on the corresponding number being Negative, Positive or Zero respectively.

Example:

```
                        P P Z  N P  N P  Z
If the array contains: {2,3,0,-1,3,-3,60,0};
```

The code snippet should print:

PPZNPNPZ

Q3: Having the following structure:

```
struct OsapLoan {
   int stno;
   double balance;
};
```

Write a program that receives an `OsapLoan` record from the user and prints it out:
Execution example:

```
Please enter the student number and the OSAP loan balance: 123456 7890.11
Student Number: 123456, OSAP Loan: 7890.11
```

Q4: Having an array of the above `OsapLoan` structure called "**stds**" and an integer holding its size called "**size**".

Write a code snippet that prints all the OSAP Laons stored in the array, in separate lines and if the balance of the loan is less than 0.01, it prints "Closed" after printing the student loan information:

Note:
Use the following format specifier for printing the student number and balance: "**`%d     %8.2lf`**"

Execution example:

```
 STNO     Balance
123456    1234.56
234567     456.99
345678       0.00   Closed!
456789     123.11
567890       0.00   Closed!
```