

Programming Challenge

Important:

This challenge consists of two (2) parts. You are required to complete both parts. You can use your preferred programming language. We strongly advise you not to refer to answers on the internet.

Challenge A

Write a program that will generate four (4) types of printable random objects and store them in a single file, each object will be separated by a ",". These are the 4 objects: alphabetical strings, real numbers, integers, alphanumerics. The alphanumerics should contain a random number of spaces before and after it (not exceeding 10 spaces). The output should be 10MB in size.

Sample extracted output:

```
hisadfnnsd, 126263, assfdgsga12348fas, 13123.123,  
lizierdjfklaasf, 123192u3kjwekhf, 89181811238,122,  
nmarcysfa900jkifh , 3.781, 2.11, ....
```

Challenge B

Create a program that will read the generated file above and print to the console the object and its type. Spaces before and after the alphanumeric object must be stripped.

Sample output:

```
youruasdifafasd - alphabetical strings  
127371237 - integer  
asdfka12348fas - alphanumeric  
13123.123 - real numbers  
asjdfklasdjfklaasf - alphabetical strings  
123192u3kjwekhf - alphanumeric
```

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