

Pretty printer

Problem Description

Printing the contents of an array is always a pain in the ass. Write a class that has a method that receives an array and prints it beautifully in the console.

For example if you have an array like this

```
a_hash = {key: "value", other_key: "other_value"}
a_date = Date.today

PrettyPrinter.new.print(["My", 3, a_hash, a_date, ["Pied", "Piper"] ])
```

the output should be something like the following

```
Array:
  My
  3
Hash:
  key -> value
  other_key -> other_value
12-07-2014
Array:
  Pied
  Piper
```

If you receive an object you don't know how to print you should show an error message instead. For example:

```
class A
end

Prettyprinter.new.print([A.new])
```

Should output

```
Array:
  An object I don't know how to print
```

Hints:

- To know the type of an object you can use `.is_a?` method.
- You should create a different printer for each kind of object

Suggested iterations

1. Create a printer for arrays that just prints each element
2. Create a printed that accepts an object and prints it or an error. This should only print the arrays as before or errors.
3. Add the printer for strings and numbers and add it to the printer before
4. Add the printer for dates
5. Make the printing recursive. This means you can print an array inside an array
6. Add the printer for hashes. Can this print a hash if the key or the value is an object?