Uppgift 5 - Frekvenstabell över tärningskast

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First i need to create a function **randomDice()** that generate a 1000 number between 1 - 6.
Then i need another function **print()** that can sort all the numbers together *ettor, tvåor, osv.*

randomDice: I needed an array that can handle the 1000 numbers so i created an empty
array then i will push all the numbers in to it. Then i created the numbers with the help of a
for loop and inside the for loop i used a math method that create a random number between
0 and 1 then i multiply the numbers with 6 s the all the random numbers will be between 1
and 6 and i used the ceil method to make the numbers a true number then i used the push
function to put the numbers inside my empty array that i previously created.

print(): first i created an empty array **numbers** with six zeros then a for loop with 1000 time
and everytime the loop work it generate a number from **randomDice()** and put it inside the
numbers array and because the array start with 0 and my numbers are between 1 and 6 so i
put every number in the preuves position inside the array this way the ettor go to the 0 place
in the array and so on.

Results

```
mmdar@DESKTOP-ERIT6TC MINGW64 ~/Desktop/Nackademin/uppgift-3-VG/uppigft-5
$ node uppgift5
totalt antal: 1000
Ettor:136    Tvåor:160    Treor:169    Fyror:182    Femmor:189    Sexor:164

mmdar@DESKTOP-ERIT6TC MINGW64 ~/Desktop/Nackademin/uppgift-3-VG/uppigft-5
$ node uppgift5
totalt antal: 1000
Ettor:174    Tvåor:153    Treor:164    Fyror:158    Femmor:197    Sexor:154

mmdar@DESKTOP-ERIT6TC MINGW64 ~/Desktop/Nackademin/uppgift-3-VG/uppigft-5
$ node uppgift5
totalt antal: 1000
Ettor:177    Tvåor:179    Treor:155    Fyror:164    Femmor:159    Sexor:166
```

Uppgift 6 – Beräkna fakultet (factorial)

The program count the faktulet of a number
 First i needed an input from the user so i used prompt to get the input from and when the user want to enter the number the prompt remind the user not to forget the "!" at the end of the number because in mathematik "!" indicate of a factorial.

Then i used a while loop to make sure to have the right input from the user
First **If statement** will be responsible for ending the program if the user clicked in cancel.
The second **if statement** make sure if the input is a number between 1 and 1000 and if the end of this number contine "!" by using the **endsWith** method. And if these two things are true then the program will remove the "!" with **substring** method with the help of **length -1** and then call the fakultet function that i created it with the help of a self calling function call Rekursion.
The function take a number and if the number is 0 then the function return 1 otherwise the function will multiply the number with it self -1 and so on anel the number retch the 0 so the function will multiply the result with 1 and stop
For example 5*4*3*2*1*1

Finally if the user entered a string or a number bigger than 1000 the program will return a file input message.