Write a program that creates a list of 1 million random numbers between 1 and 100.

(Do not use a generator, as all the values will be needed at the same time. Create it as a normal list).

Create a function, random_array(minimum, maximum, n) which will create this list.

Find the mean, median, mode, variance and standard deviation of the data. Create functions for the above operations and call them.

Also, create another function, check_normality(arr) which will print the percentage of the data that has values between m + s and m − s, where m is the mean and s is the standard deviation. Call this function as well on the data.

Hint:

The main body of the program is given below:

```
print("Computing...")
arr = random_array(1, 100, 1000000)
print("Mean = " + str(mean(arr)))
print("Median = " + str(median(arr)))
print("Mode = " + str(mode(arr)))
print("Variance = " + str(variance(arr)))
print("Standard deviation = " + str(standard_dev(arr)))
check_normality(arr)
print("Done!")
```

Implement all the functions listed above.