

## HUNAR INTERN

### Task 1:

**1) Develop a simple Captcha generator. You have to generate a captcha of 5 characters including(A-Z,a-z,0-9).**

Step1: Import module: Import random module as we have to generate a captcha randomly(Use random.choice() method of random module.

Step2: Define Characters: Create variable which is containing characters that will be used in captcha. You have to simply write them in string form.

Step3: Create a loop of 5 iterations and print randomly generated value inside the loop.

Step4: Test your generator 4-5 times whether it is printing correct captcha or not

Step5: Sample output: EB7gY

### CODE:

```
× Captcha Generator
1
2 import string
3
4 def generate_captcha():
5     # Define the character set: A-Z, a-z, 0-9
6     characters = string.ascii_letters + string.digits
7     # Generate a random 5-character CAPTCHA
8     captcha = ''.join(random.choices(characters, k=5))
9     return captcha
10
11 # Generate and display the CAPTCHA
12 if __name__ == "__main__":
13     print("Generated CAPTCHA:", generate_captcha())
```

## OUTPUT:

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Console

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Run Generated CAPTCHA: Rij6Z

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