How about modifying that regex to ensure that it includes only those types of characters, i.e., (numbers, uppercase and lowercase letters)?

**ChatGPT said:**

To ensure that a string **must contain** at least one lowercase letter, one uppercase letter, and one digit **and only include those types of characters**, you can use the following regex:

regex

CopyEdit

^(?=.\*[a-z])(?=.\*[A-Z])(?=.\*\d)[a-zA-Z\d]+$

**🔍 Breakdown:**

**✅ Positive Lookaheads (same as before):**

* (?=.\*[a-z]) — at least one lowercase letter
* (?=.\*[A-Z]) — at least one uppercase letter
* (?=.\*\d) — at least one digit

These assert that each type is **present** somewhere.

**✅ Allowed characters only:**

* [a-zA-Z\d]+ — only allows:
  + lowercase letters [a-z]
  + uppercase letters [A-Z]
  + digits \d
* + — string must be **at least one character long** (can change to {8,} for minimum length of 8)

**✅ Anchors:**

* ^ and $ make sure the whole string is evaluated, not just a part of it.

**🧪 Examples:**

| **Input** | **Match?** | **Reason** |
| --- | --- | --- |
| Abc123 | ✅ | Contains all 3 types, only allowed characters |
| 123abcDEF | ✅ | Contains lowercase, uppercase, and digits |
| abc123! | ❌ | Contains a !, which is not allowed |
| ABC123 | ❌ | No lowercase letter |
| abc123 | ❌ | No uppercase letter |
| Abcdef | ❌ | No digit |

Let me know if you want to allow or restrict additional character types (e.g., special symbols or underscores).