## 1. Program to Print Initials

```python
Copy code
name = input("Enter your full name: ")  # e.g., Ajay Kumar Garg
initials = '. '.join([word[0] for word in name.split()]) + '.'
print("Initials:", initials)
```

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## 2. Program to Validate Password

```python
Copy code
password = input("Enter your password: ")
if (len(password) >= 8 and
    any(c.isupper() for c in password) and
    any(c.islower() for c in password) and
    any(c.isdigit() for c in password)):
    print("Password is valid.")
else:
    print("Password is invalid.")
```

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## 3. Program to Exchange First and Last Characters of a String

```python
Copy code
string = input("Enter a string: ")
if len(string) > 1:
    new_string = string[-1] + string[1:-1] + string[0]
else:
    new_string = string  # If string has only one character
print("Modified string:", new_string)
```

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## 4. Program to Count and Display Number of Vowels

```python
Copy code
string = input("Enter a string: ")
vowels = "aeiouAEIOU"
count = sum(1 for c in string if c in vowels)
print("Number of vowels:", count)
```

## 5. Program to Count Uppercase, Lowercase, and Digits

```python
Copy code
string = input("Enter a string: ")
uppercase_count = sum(1 for c in string if c.isupper())
lowercase_count = sum(1 for c in string if c.islower())
digit_count = sum(1 for c in string if c.isdigit())

print("Uppercase letters:", uppercase_count)
print("Lowercase letters:", lowercase_count)
print("Digits:", digit_count)
```