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SLOT-B

PYTHON PROGRAMMING FOR BLOCK CHAIN PROJECTS

CSA0815

ASSSIGNMENT 1

1. Problem Statement:

Write a program to determine whether a given character is a vowel or a consonant.

Functional Requirements:

Accept a single alphabet character as input.

Check if the character is a vowel (a, e, i, o, u, case-insensitive).

Output Vowel; or Consonant;.

Handle non-alphabet inputs gracefully.

CODE:

```python
def check_character(character):    1 usage
    if character.lower() in 'aeiou':
        return "Vowel"
    elif character.isalpha():
        return "Consonant"
    else:
        return "Invalid input"
user_input = input("Enter a character: ")
print(check_character(user_input))
```

SAMPLE TEST CASES:

Vowel Check

```
 Enter a character: a
 Vowel


 Process finished with exit code 0
```

Consonant Check

```
Enter a character: z
Consonant


Process finished with exit code 0
```

Uppercase Vowel Check

```
 Enter a character: E
 Vowel


 Process finished with exit code 0
```

Invalid Input

```
Enter a character: 9
Invalid input


Process finished with exit code 0
```