

PROBLEM 3.4

Write a program to find the absolute value of a number entered through the keyboard

ALGORITHM

1. Start
2. Declare variable a
3. Input a
4. Calculate $\text{abs}(a)$
5. Display "Absolute value:", $\text{abs}(a)$
6. Stop

PSEUDOCODE

```
DECLARE INTEGER a
INPUT a
DISPLAY "Absolute value of a: "
DISPLAY abs(a)
```

FLOWCHART

```
flowchart TD
A([Start]) --> B[Declare integer a]
B --> C[/Take a as input/]
C --> D[Calculate absolute value of a]
D --> E[/Display absolute value of a/]
E --> F([Stop])
```