Practical-6

AIM : Write a program to recognize the valid variable name.

(Note: Valid variable starts with a letter followed by any number of letters or digits)
Input: int a , b1, 2;
Output: a – valid variable
b1 – valid variable
2 – invalid variable

❖ PYTHON CODE :

```python
print('Kishan Patel - 17012021036')
def isValid(str1, n):

    # If first character is invalid
    if (((ord(str1[0]) >= ord('a') and
         ord(str1[0]) <= ord('z')) or
        (ord(str1[0]) >= ord('A') and
         ord(str1[1]) <= ord('Z')) or
         ord(str1[0]) == ord('_')) == False):
       return False

    # Traverse the for the rest of the characters
    for i in range(1, len(str1)):
       if (((ord(str1[i]) >= ord('a') and
            ord(str1[i]) <= ord('z')) or
           (ord(str1[i]) >= ord('A') and
            ord(str1[i]) <= ord('Z')) or
           (ord(str1[i]) >= ord('0') and
            ord(str1[i]) <= ord('9')) or
            ord(str1[i]) == ord('_')) == False):
          return False

    # is a valid identifier
    return True

# Driver code
str1 = input('Enter Variable Name :')
n = len(str1)

if (isValid(str1, n)):
   print("Valid")
```

```
else:
    print("Invalid")
```

❖ **OUTPUT :**

```
 RESTART: C:/Users/Dell Store/AppData/Local/Programs/Python/Python37/cd_pr6.py
Kishan Patel - 17012021036
Enter Variable Name :_b1
Valid
>>>
```

```
>>>
 RESTART: C:/Users/Dell Store/AppData/Local/Programs/Python/Python37/cd_pr6.py
Kishan Patel - 17012021036
Enter Variable Name :2
Invalid
>>>
```