Program no:

Aim :

Accept a list of words and return length of longest word.

Program :

```
list = []
size = int (input (" Enter the number of words
                     to be listed "))

print (" Enter", +size, words one by one : ")

for k in range (0, size):

    string = str (input ())
    list. append (string)

print (" List of words are :", list)

list 2 = []
for i in range (0, len (list)):

    a = len (list [i])

    list 2. append (a)

c = max (list 2)
```

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```
for i in range (0, len (list 2)):
    if (list 2 [i] == c):
        break;

print ("Length of the longest word in list is:" + c)

print ("The longest word in list is:", list [i])
```

Result:

Program has to been executed and the

output was verified

Output

Program to accept a list of words and return length of the longest word

Enter the number of words in the list :   4

Enter   4 words one by one   :

            umbrella

            purpose

            glad

            hello

List of words are : ['umbrella', 'purpose', 'glad,

                                        'hello',]

Length of the longest word in list is :   8

Longest word in the list   :   umbrella