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Algorithm :-

1) Start

2) Initialize str[20] length.

3) gets [str]

4] length = stringlength (str)

5) Print str. length.

6) Stop.

Int stringlength (char & p)

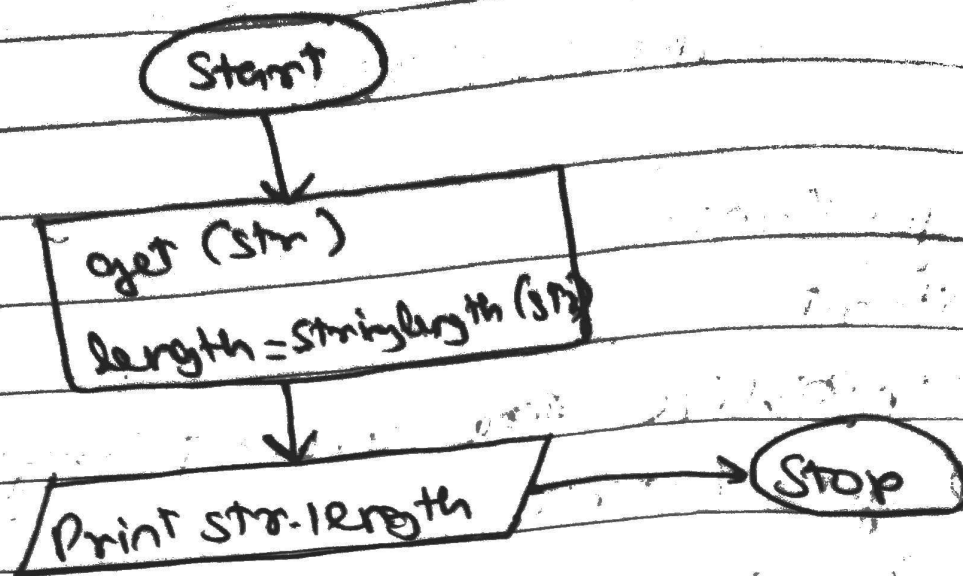1) Start

2) Initialize count = 0

3) while (*p != '\o').

    count ++

    p++

4) return count.

5) Stop.

Flowchart

```
        ( Start )
            |
            v
  +----------------------+
  |  get (str)           |
  |  length = stringlength (str) |
  +----------------------+
            |
            v
   / Print str-length /---------> ( Stop )
```

int stringlength (char *p)

```
        ( Start )
            |
            v
   +-----------------+
   |  count = 0      |
   +-----------------+
            |
            v
         / while \      True    +------------+
        ( (*p! = '\0') )------->| cout ++    |
         \      /                | p++        |
            |                    +------------+
            | False
            v
   +------------------+
   |  return count    |
   +------------------+
            |
            v
         ( Stop. )
```