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gets() is risky to use!

Asked by geek4u

Consider the below program.

```
void read()
   char str[20];
   gets (str);
   printf("%s", str);
   return;
```

Run on IDE

The code looks simple, it reads string from standard input and prints the entered string, but it suffers from Buffer Overflow as gets() doesn't do any array bound testing. gets() keeps on reading until it sees a newline character.

To avoid Buffer Overflow, fgets() should be used instead of gets() as fgets() makes sure that not more than MAX_LIMIT characters are read.

```
#define MAX LIMIT 20
void read()
   char str[MAX LIMIT];
  fgets(str, MAX_LIMIT, stdin);
  printf("%s", str);
   getchar();
  return;
```

Run on IDE

Please write comments if you find anything incorrect in the above article, or you want to share more information about the topic discussed above.



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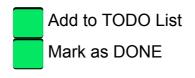


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