







CODE 1:

```
#include <stdio.h>
   #include <stdlib.h>
   /** Read string using scanf() **/
 3
4
     int main()
 5
 6
         char name[30];
7
         printf("Enter name:");
 8
         scanf("%s", name);
9
         printf("Name is:%s\n", name);
10
11
         getch();
12
   -/** scanf() wont consider white spaces, it will get only single string name
13
         which is entered first and after that if any space it will terminate
14
         after reading one string name **/
15
16
17
               Hello World -> Hello **/
         /**
18
19
```

```
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Enter name: Hello World
Name is:Hello
■
```

CODE 2:

```
#include <stdio.h>
   #include <stdlib.h>
   /** Read string using gets() **/
     int main()
 4
 5
         char name[30];
 6
7
         printf("Enter name:");
 8
         qets(name);
         printf("Name is:%s\n", name);
 9
10
11
         getch();
12
13
   □/** gets() will read entire line until we give ENTER and it will also
         print the white spaces inside the string, it will read array of string.. **/
14
15
16
               Hello World -> Hello World**/
         /**
17
```

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Enter name: Hello World Name is: Hello World

CODE 3:

```
#include <stdio.h>
2
   #include <stdlib.h>
   /** Alternative for buffer overflow **/
     int main()
 4
 5
   ⊟{
 6
         char name[5];
 7
         printf("Enter name:");
         scanf("%4s", name); /** prints only 4 characters **/
         printf("%s", name);
10
         getch();
11
12
   -/** only 5 bytes allocated but i am giving input more than 5 bytes, then specify
    literal for 4 characters in formate specifier, it will print only 4 characters
14
     are printed....**/
15
16
```

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```
Enter name:Jayanthi
Jaya_
```