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BSCS 1-1

Computer Programming 1 – Activity 11 (String Manipulation)

Output

Part 1:

```
Enter the name:
```

```
James
```

```
2
```

```
Enter the name:
```

```
Jennilyn
```

```
1
```

```
Enter the name:
```

```
Sean
```

```
1
```

Part 2:

```
Enter the number of words: 6
```

```
Enter the text: I love solving computer programming problems
```

```
The length of the largest word is: 11
```

```
Enter the number of words: 3
```

```
Enter the text: Sean Pauuul Mooontoon
```

```
The length of the largest word is: 10
```

Source Code

Part 1:

```
#include <stdio.h>
#include <string.h>

int main() {
    char name[50];
```

```

    printf("Enter the name: \n");
    scanf("%s", name);

    printf("\n%d", strlen(name) % 2 == 0 ? 1 : 2);

    return 0;
}

```

Part 2:

```

#include <stdio.h>
#include <string.h>

int main() {
    int numOfWords;

    printf("Enter the number of words: ");
    scanf("%d", &numOfWords);
    getchar();

    char words[numOfWords][100];
    int largest = 0;

    printf("Enter the text: ");
    for(int i = 0; i < numOfWords; i++) {
        scanf("%s", words[i]);
        if(strlen(words[i]) > largest) {
            largest = strlen(words[i]);
        }
    }

    printf("\nThe length of the largest word is: %d", largest);

    return 0;
}

```