

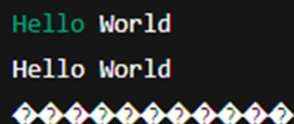
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ROLL NO	22R21A05P6
CLASS AND YEAR	CSE-D 4th YEAR 1st SEM
WEEK NUMBER	WEEK 2

PROBLEM STATEMENT: Write a C program that contains a string with a value "Hello World". The program should AND, OR and XOR each character in the string with 127 and display the result.

PROGRAM:

```
#include<stdio.h>
#include<string.h>
int main() {
    char *str = "Hello World";
    char str1[12], str2[12], str3[12];
    int i, len;
    len = strlen(str);
    strcpy(str2, str);
    for(i = 0; i < len; i++) {
        str1[i] = str[i] & 127;
        printf("%c", str1[i]);
    }
    str1[len] = '\0';
    printf("\n");
    printf("%s\n", str2);
    for(i = 0; i < len; i++) {
        str2[i] = str2[i] | 127;
        str3[i] = str2[i] ^ 127;
        printf("%c", str3[i]);
    }
    str3[len] = '\0';
    printf("\n");
    return 0;
}
```

Output:



```
Hello World
Hello World
? ? ? ? ? ? ? ? ? ?
```