What is the output of the C program shown below when the user enters the following data as input?   **30 20 −10 5 −15**

```c
#include <stdio.h>

int main(void) {
        int a, b, x=0, y=0;
        for (a=1; a<=5; a=a+1) {
                scanf("%d", &b);
                if (a%2 == 0)
                        x = x + b;
                else
                        y = y + b;
        }
        printf("%d and %d\n", x, y);

        a = 1, b = 1;
        while (a < 4) {
                b = b * 2;
                printf("%d\n", b);
                a = a + 1;
        }
        return 0;
}
```

What is the output of the C program shown below when the user enters the following data as input?   **University Alabama**

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

int main(void) {
        int a, b;
        char s1[20], s2[20];
        scanf("%s %s", s1, s2);

        b = strlen(s1);
        for (a=0; a<b; a=a+2)
                printf("%c", s1[a]);
        printf("\n");

        a = strlen(s2)-1;
        while (s2[a] != 'b') {
                printf("%c\n", s2[a]);
                a = a - 1;
        }
        return 0;
}
```