4a // A simple C program to demonstrate working of setjmp() and longjmp()

```c
#include<stdio.h>
#include<setjmp.h>
jmp_buf buf;
void func()
{
        printf("example program\n");

        // Jump to the point setup by setjmp
        longjmp(buf, 1);

        printf("Exit from setjmp and longjmp\n");
}

int main()
{
        // Setup jump position using buf and return 0
        if (setjmp(buf))
                printf("setjmp called\n");
        else
        {
                printf("longjmp called\n");
                func();
        }
        return 0;
}
```

4b. C program to print environment variables

```c
#include <stdio.h>

// Most of the C compilers support a third parameter to main which

// store all envorinment variables

int main(int argc, char *argv[], char * envp[])

{

    int i;

    for (i = 0; envp[i] != NULL; i++)

        printf("\n%s", envp[i]);

    getchar();

    return 0;

}
```