Reading CPSR register.

#include<stdio.h>

int main()

{

int a[]={1,2,3,3,5};

float f;

int i;

for(i=0;i<5;i++)

{

f = f + 1\*(a[i]-i);

}

printf("float: %f\n", f);

return 0;

}

Write same thing with do while loop:

Read the value of the current program status register (CPSR) at the following instances in the above code.

1. Addition. (3 marks)
2. Conditional branch at loop entry. (3 marks)
3. Conditional branch at loop exit. (4 marks)

Observe and note the values of flags N, Z, C, V bits during the execution of above cases.