Name:

Surname:

Section:

Email id:

Test 1 V 2

Test 1-1 V2

1. Determine the exact output of the following program if the name of the executable is walk and it is executed as follows:

$ walk abcd ABCD 1234<ENTER>

#include <cstdio>

using namespace std;

#define sum(a, b) a+b

void w2(){

int a[10] = {1,2,3,4,5,6,7,8,9,10};

int\* p;

p = a + 5;

printf("W2:\n%d,", \*(a+5));

printf("%d\n", p[0]);

}

void w3(void\* d, void\* s){

printf("W3:\n");

for(int i=sizeof(int);i>=0;((char\*)d)[i] =((char\*)s)[i], i--);

}

int w6(){

int a[10]={1,3,4,-5,4,-7,3,0,-1,9};

int i;

int num = 0;

printf("w6:\n");

for(i=0;i<10;(a[i]%3) && (num+=1),i++);

return num;

}

int main(int argc, char\* argv[]){

int i;

int j = 12;

int\* p = (int\*)12;

void (\*fp)(void) = w2;

printf("W1:\n");

for (i=argc;--i>0;printf("%c", argv[i][i]));

putchar('\n');

w2();

w3( &i, &j);

printf("%d\n", i);

printf("W4:\n");

printf("%u\n", p+=2);

fp();

printf("%d\n", w6());

i = 6; j = 2;

printf("W7:\n%d\n", sum(i,j)\*3);

return 0;

}

1. Write a function called IsPassed() that receives the name of a student and then unknown number of the marks for the semester which is followed by a “-1” to mark the end of the marks.  
   The function finds the average of the marks and then prints a message including the name of the student, indicating if the student has passed or not. (Average higher than 55 is a pass);

Example:

int main(){

IsPassed(“Fardad”, 40, 70, 58, 80, 90, -1);

IsPassed(“John”, 40, 30, 40, 50, -1);

return 0;

}

Output:

Fardad passed with the average of 67.6

John failed with the average of 40