CSE 3100 Exam 2 Rubric- Fall23

Problem 1- (max 30 points)		
maximum possible points through partial grading - 27 points		
Criteria		**Points**
redirectstdin()		Total of 8
Duplicating file descriptior	call dup2()	3
	fd as first parameter	1
	0 as second parameter	1
Closing file descriptor (everyone gets these points)	call close()	2
	fd as parameter	1
redirectstdout()		Total of 8
Duplicating file descriptior	call dup2()	3
	fd as first parameter	1
	1 as second parameter	1
Closing file descriptor (everyone gets these points)	call close()	2
	fd as parameter	1
increasing()		Total of 11
Correct implementation of loop to loop through letters		4
compare letters		5
return 1 if all are strictly increasing		1
return 0 if ther are not strictly increasing		1
-50% of received points if code doesn't compile		

Problem 2- (max 40 points)			
maximum possible points through partial grading - 36 points			
Criteria			**Points**
in_array()			Total of 5
Should perform binary search only , other implementations will receive 0 points		correct loop condition & variable initialization	1
		condition to check if v is the middle element	1
		condition to check if v is in left half	1
		condition to check if v is in right half	1
		updating middle index	1
run_game()			Total of 31
First child if(pid==0){}	close pd1[0]		1
	close pd2[1]		1
	pd2[0] as parameter in while(read_int(, &v)!=0)		1
	calling write_int() or equivalent		1
	pd1[1] as file descriptor for writing		1
	A[round] as value		1
	increment round		1
	close pd1[1]		1
	close pd2[0]		1
	call exit(0)		1
main process after pid	close pd1[1]		1
	close pd2[0]		1
Second child if(pid1==0){}	close pd1[0]		1
	close pd2[1]		1
	close pd3[0]		1
	close pd4[1]		1
	pd4[0] as parameter for while(read_int(, &v)!=0)		1
	call write_int() or equivalent		1
	pd3[1] as file descriptor		1
	in_array(B, n, v) or equivalent (send the result if value is in array)		1
	close pd3[1]		1
	close pd4[0]		1
	call exit(0)		1
main process after pid1	close pd3[1]		1
	close pd4[0]		1
	close pd1[0]		1
	close pd2[1]		1
	close pd3[0]		1
	close pd4[1]		1
	call waitpid on pid correctly		1
	call waitpid on pid1 correctly		1
-50% of received points if code doesn't compile			

everyone gets these points