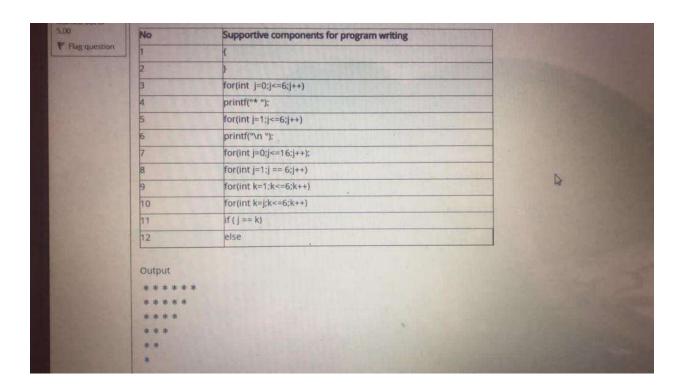


Question 3 Select incorrect statement/s regarding "w" file opening mode. Not yet answered FILE *ptr: Marked out of ptr = fopen("readMe.dat","w"); P Flag question Select one: 1. If the file doesn't exists, the file pointer will be always null 2. The "readMe.dat" file will be empty 3. The content will be added to the beginning of the file 4. If the file exist, it will over write the previous content. 5. If the file doesn't exist, a new file will be created. 器・1080・ W Q Tab 14 H D 5 X & Shift





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Question 17

Not yet answered Marked out of 5.00

F Flag question

Consider the following table having two columns. First column has line numbers and the second has different expressions. Write the line numbers of the relevant statements in correct order to obtain the following output

81

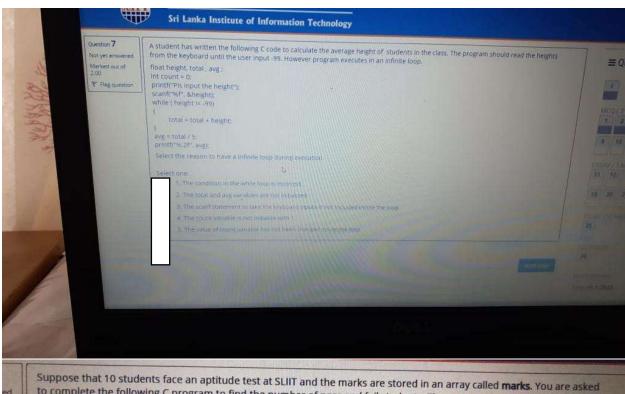
No	Supportive components for program writing	
1		
2		
3	for(int j=0:j<=6:j++)	
4	printf(** *):	
5	for(int j=1;j<=6;j++)	
6	printf("\n "):	
7	for(int.j=0.j<=16:j++):	
8	for(int j=1;j == 6:j++)	
8	For(int k=1;k<=6;k++)	
10	for(int k=):k<=6;k++)	
11	(f () == k)	
12	else	

%

Output

.....



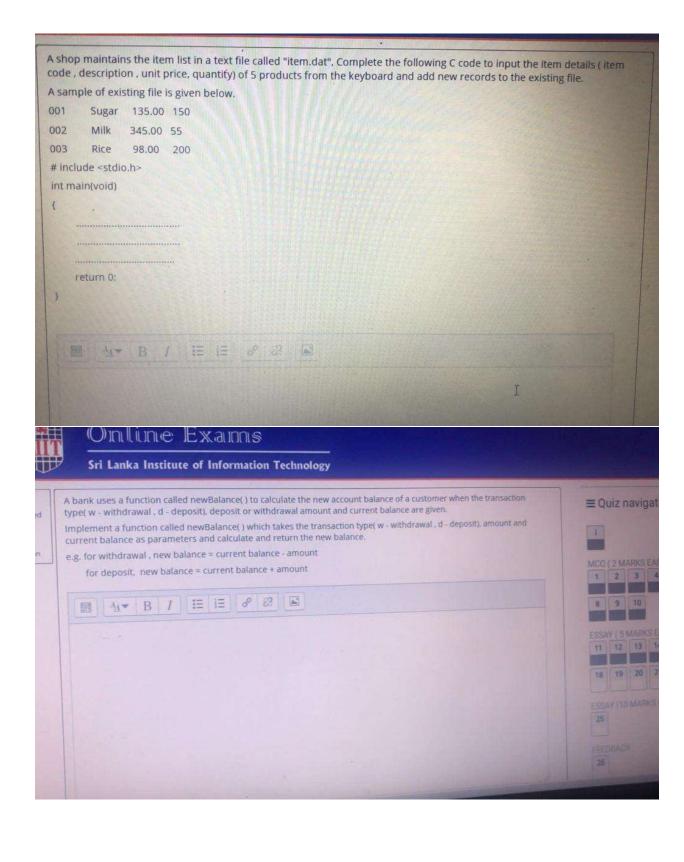


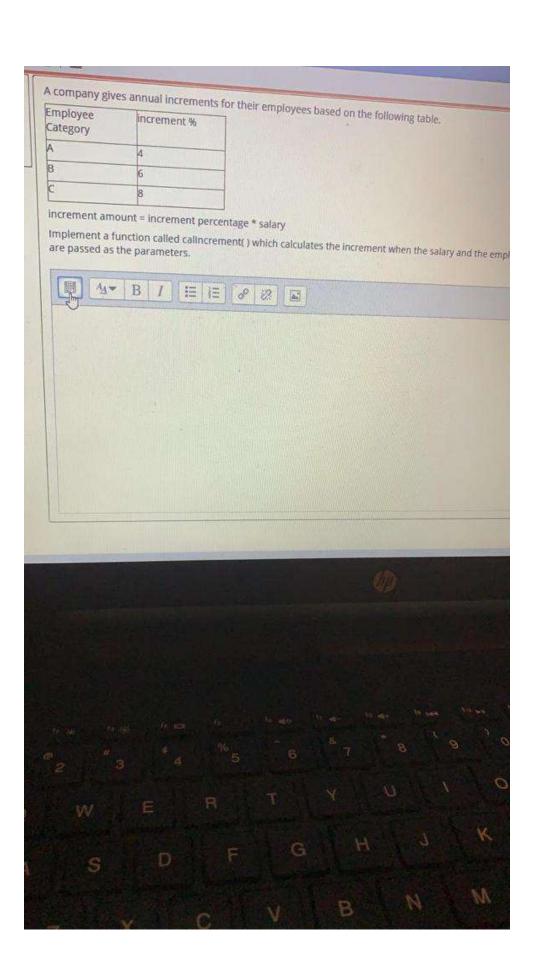
to complete the following C program to find the number of pass and fail students. The pass mark is the average mark of the students.

#include <stdio.h>
int main(void)

{
 float marks[10] = { 75.00, 45.00, 61.00, 91.00, 55.00, 43.00, 78.00, 56.00,95.00,12.00};

 return 0;
}







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Question 1

Not yet answered Marked out of 2.00

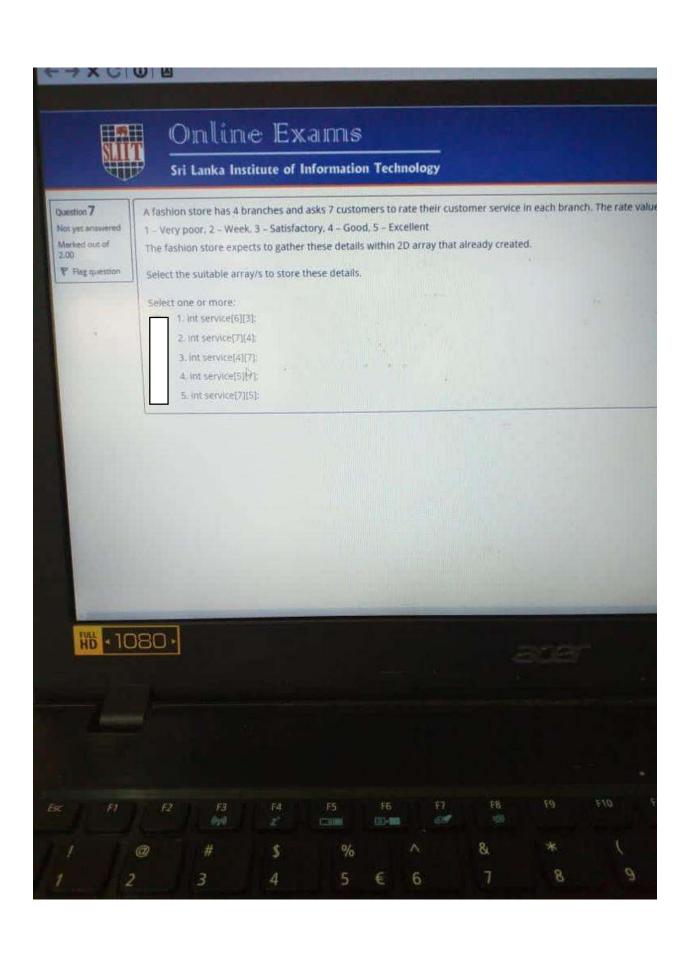
P Flag question

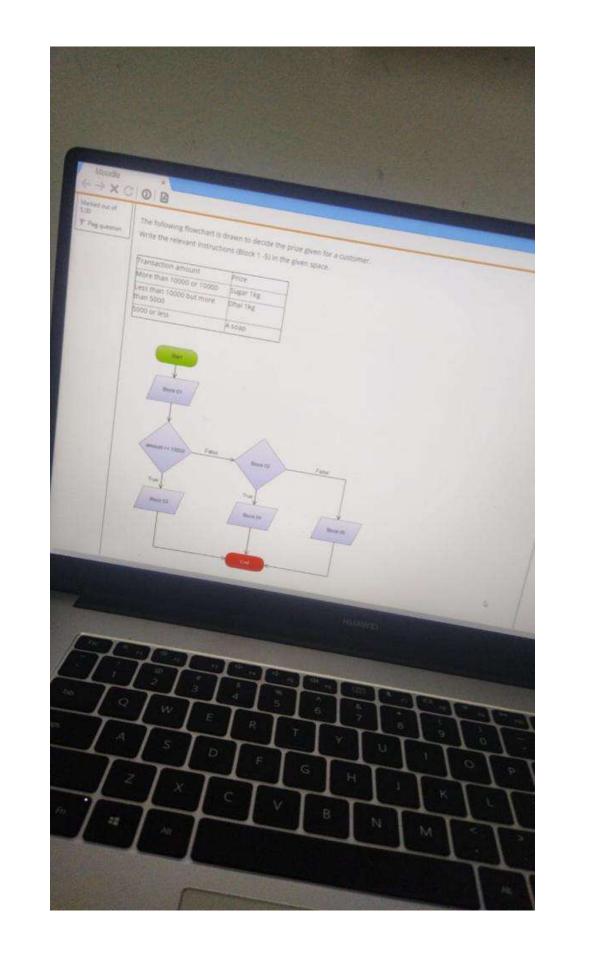
Select the correct statement/s about assert statement

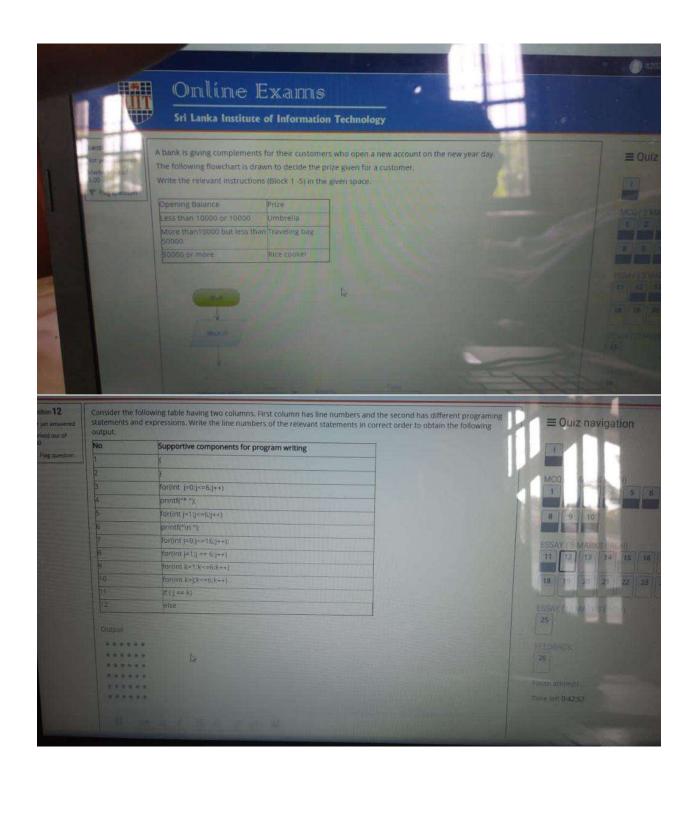
Select one or more:

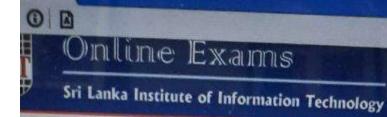
- 1. assert is used to test a function
- 2. assert gives an error message
- 3. assert statement always writes at the beginning of a program
- 4. assert statements written only in the main program
- 5. assert can terminate a program

\$ % \ A \ X \ \ Q \ W \ E \ R \ T \ Y \ U \ \ X









Copy and modify the given program to apply the coding conventions.

A bank states their interest rate of savings accounts and fixed deposits fi the balance amount of the bank account. If the bank account holder's ag considered as senior citizens.

Account Type		Interest Rate
Savings Account (S)	Current amount <= 8000	496
	Current amount > 8000	8%
Fixed Deposits (F)	Current amount <= 8000	1096
	Current amount > 8000	15%

User inputs the account type, balance amount of the account and the age of the program should calculate and display the corresponding interest amount should take user inputs until the user enters an age less than 60. (Not a senior

#include <stdio.h>

int main()

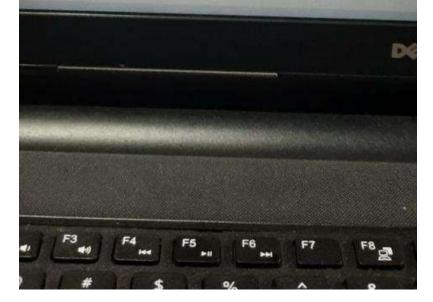
(float balance, interestamount:

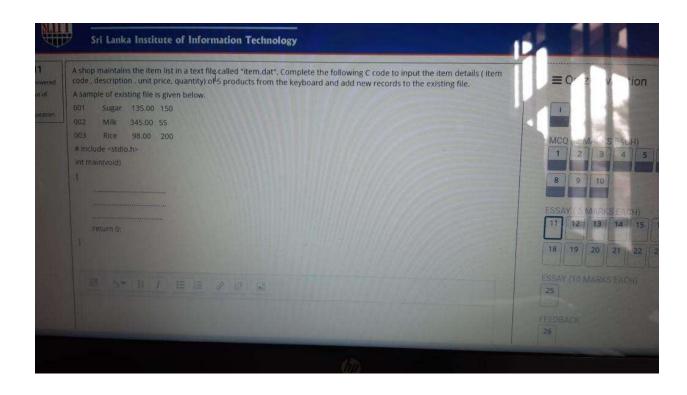
char type, answer:

intage

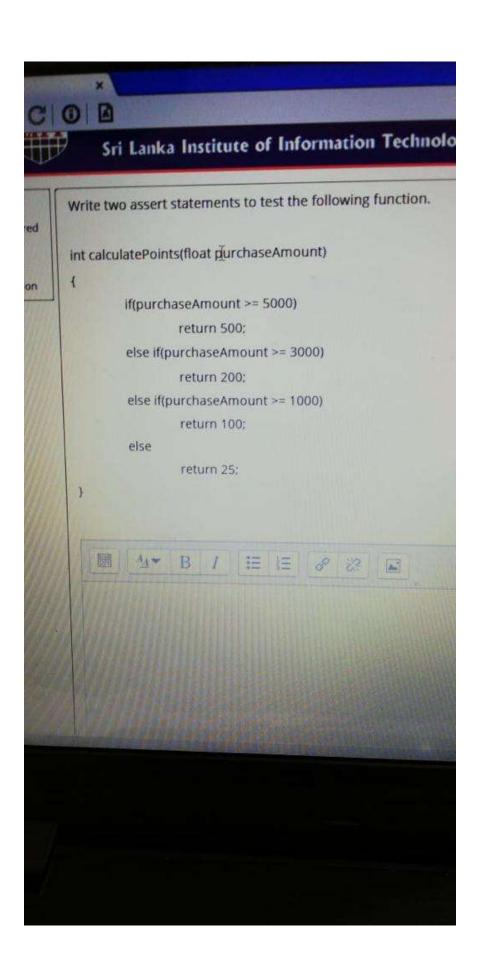
printfi Enter age of the account holder in

scanfill (d) & age)





Sri Lanka Institute of Information Technology Complete the following c program to read a password from the key board and check whether it is a valid password. A password is considered as valid if it has more than 10 characters and if it has at least one upper case alphabetical character, one lower case alphabetical character, one numeric character and one of @.&.\$. Equivalent ASCII 'A' 65 T 90 'a' 97 Z 122 10" 48 9 57 # Include <stdio.h> int main(void) return 0: ■ 4 B / E E 8 2 ■ 080 8 \$



2 5 8 4 9	
after reverse array values	
9 4 8 5 2	
int num[5] = (2, 5, 8, 4, 9):	





Sri Lanka Institute of Information Technology

copy and modify the given program to apply the coding conventions

A bank states their interest rate of savings accounts and fixed deposits for senior citizens. The interest rate depends on the balance amount of the bank account holder's age is greater than or equals to 50 years, they are considered as senior citizens.

Account Type		interest Rate
Savings Account (S Fixed Deposits (F)	Current amount == 8000	4%
***************************************	Current amount > 8000	8%
Fixed Deposits (P)	Corrent amount -= 8000	10%
	Current amount > 8000	15%

User inputs the account type, balance amount of the account and the age of the account holder through the keyboard. The program should talculate and display the corresponding interest amount payed to the account holder. The program should take user inputs until the user enters an age less than 60. (Not a senior citizen)

Windfudie Histolio (N)

Intenaint)

(float balance, interestAmount;

char type, answer:

int age:

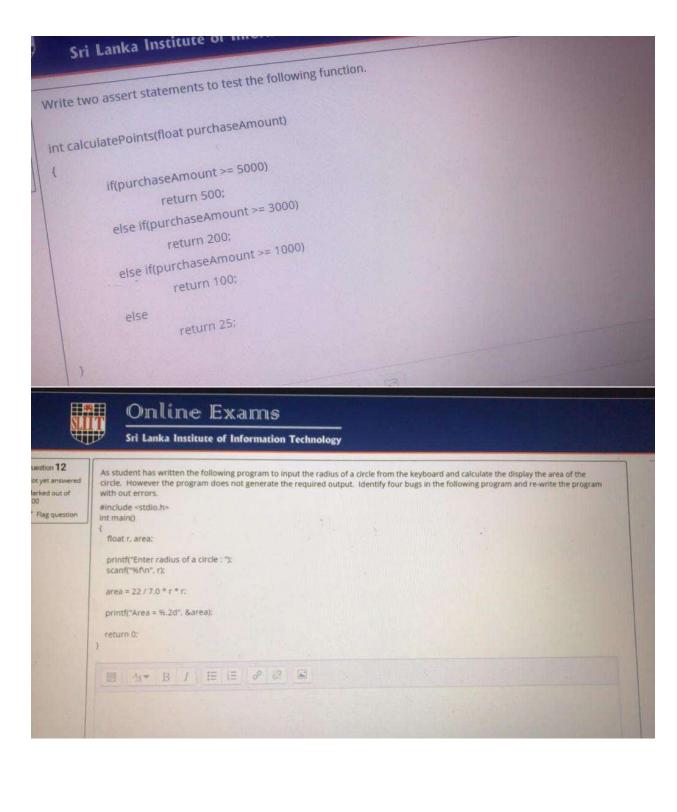
printl'Enter age of the account holder. The

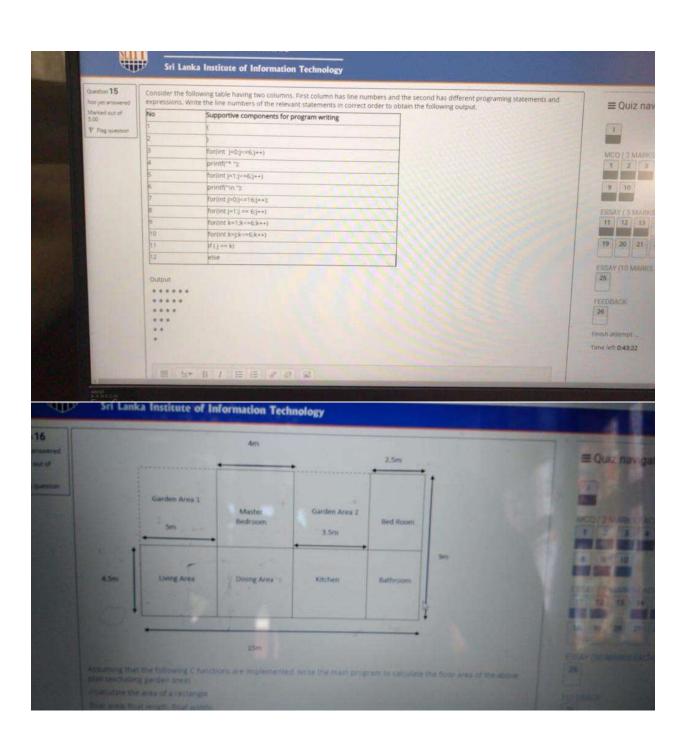
scanfilled &ages

whiletage>+601

printfirEnter account type: "I.







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Complete the following C program to solve the given expression. Use Standard C math library function.

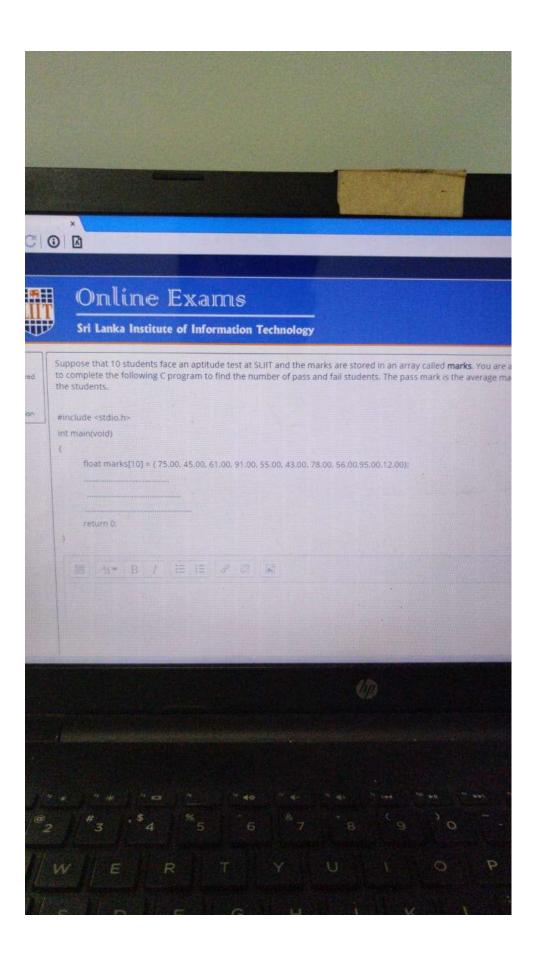
$$C = \sqrt{a^2 + b^2 - 2ab \cos \emptyset}$$

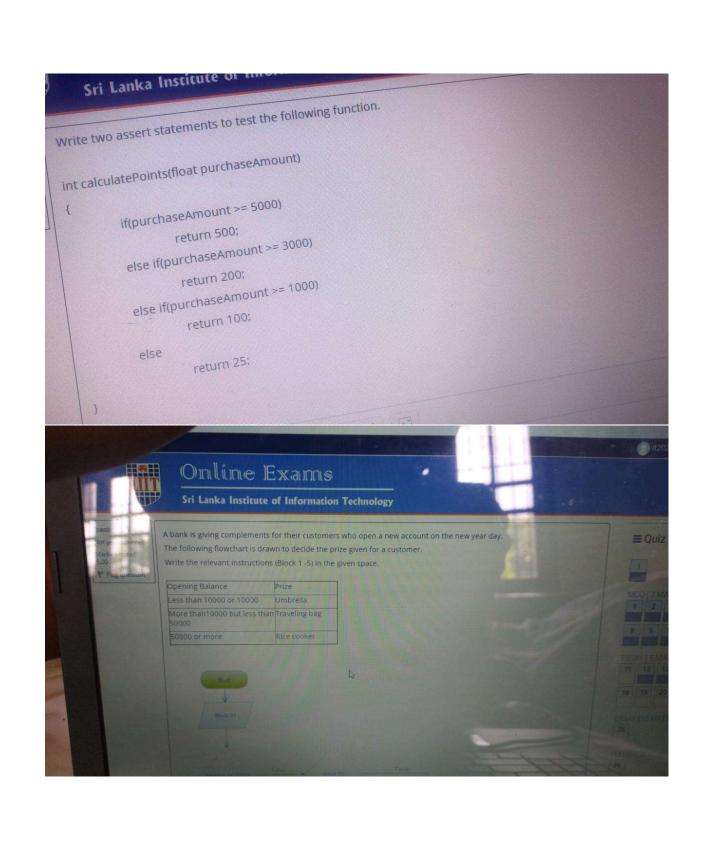
```
Hint; if angle is 90 degrees, cosine will be cos (90 * 3.141592/180)
```

图 4▼ B 7 Ⅲ Ⅲ 8 28 Ⅲ

```
#include <stdio.h>
# include <math.h>
int main()
{
    float a = 3, b = 4, c;
    float angle = 90 * 3.141592/180;
```

return 0;





Sri Lanka Institute of Information Technology

Complete the following C program to solve the given expression. Use **Standard C math library function**.

$$C = \sqrt{a^2 + b^2 - 2ab \cos\emptyset}$$

Hint: if angle is 90 degrees, cosine will be cos (90 * 3.141592/180)

B 4 B / E E 8 2 E

#include <stdio.h>
include <math.h>
int main()
{
 float a = 3, b = 4, c;
 float angle = 90 * 3.141592/180;

return 0;



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Question 17 Not yet answered

Marked out of 5.00

P Flag question

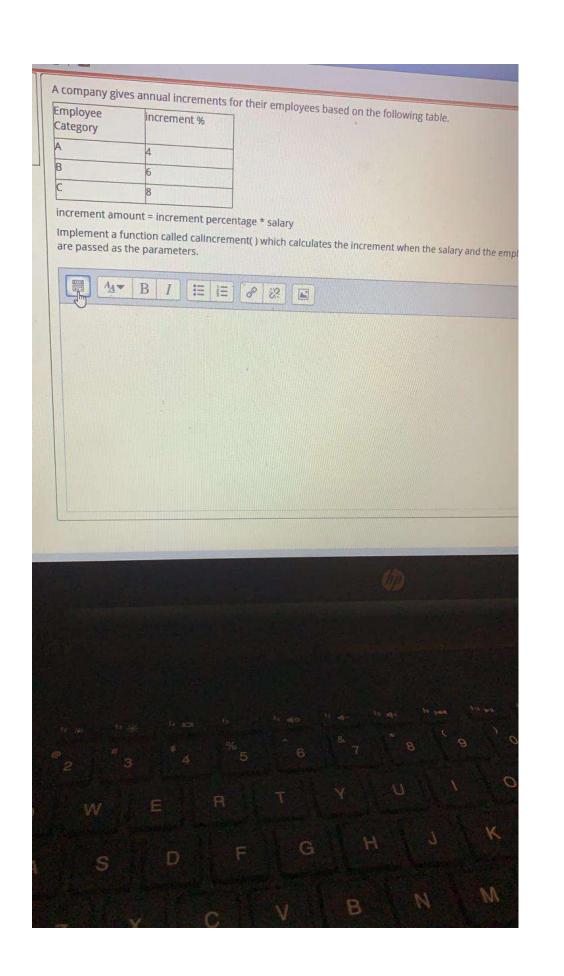
Consider the following table having two columns. First column has line numbers and the second has different expressions. Write the line numbers of the relevant statements in correct order to obtain the following output

8

No	Supportive components for program writing		
1			
2			
3	for(int j=0;j<=6;j++)		
4	printf(** ");		
5	for(int j=1;j<=6:j++)		
6	printf("\n "):		
7	for(int j=0;j<=16;j++):		
8	for(int j=1:j == 6:j++)		
9	for(int k=1;k<=6;k++)		
10	for(int k=j;k<=6;k++)		
11	if (j == k)		
12	eise		

Output





answered out of	A 2D array called att is used to store the attendance of 4 students in a class. A sample dataset is shown below. 1 0 1 1 1 1 1 1 1 1 1 0 1 1	≡ Qi
		MCQ 1
	Complete the following C code to determine and display the students (row number) who has attended to the class all five days.	8
	In this example the students numbers are 2, 4	ESSA
	# include <stdio.h></stdio.h>	11
	int main(void) {	18
	int att[5][5] = {{1, 0, 1, 1, 1}, {1, 1,1,1,1}, {1,1,0,1,1}, {1,1,1,1,1}, {1,1,1,1,1,0}};	
	return 0;	