Chapter #111	
Pull 2102024, Pen 1015	1
MALIALIA SHOTUE	
11.1 (d) Using dat notation, 1 11.2 (d) AN of the above	
11.3 (c) Unlike structures, unic	on does not support nesting
11.5 (d) compilation ennon	
PEVIEW WESTIONS	
11.1 (a) Folse (j) F	
(b) True (U) T	
	Ve,

(m) False

(n) False

(9) True (9) True (4) True

(D) Trave

(e) True

11.2 (a) tag name

- (b) member
- (c) typedef
- (d) pointerz
- (e) union
- (t) O
- (9) slack
- (b) largest
- 11.3
- (a) Ancorerect. Fagname missing. It would be struct once a, b, c;
 - (b) Incorrect. Semicolon missing.
- (a) suconnect. Struct keyword missing,
- (d) Anconvect. Matrix size not given
- (e) connect
- (f) Ancoraret. B is outside braces.
- (9) Connect.
- (h) Incorrect. Brace was not used.

11A (e) a = b;

- 11.5 (d) struct item-bank items [10];
- 11.6 (9) cornect
 - (b) correct
 - (c) Incorrect, the tagname is abc.
 - (d) Consect
 - (e) Connect
- 11.7 Array is combination of data of same type where structured is user defined custom data type on and can contain multiple data types.
- 11.8 Template: Template is the blue print of a structure and tells how a structure is forzmed.
 - Struct keyword: Struct keyword is used to define a structure and it is mandatory to form a structure.
 - Typedef keyworld: Typedef is used to define a name forz a variable. And can be used to make struct more covenient.

sizeof operator: Sizeof meturens the size of a variable and can be used to count the elements number.

Tag name: Tog name is defined in strencture so that it can be used later to make more similar data typed objects.

11.9

int number:

float price;

Ann: Herze the semicolon is missing and do not contain any tag name. So it may be inaccessible.

11.10

- (a) Unions! Unions are used when only one element may be used and we want to save our storage.
 - (b) Bit fields: When we need to save memory.
 (c) Sizeof: To determine the size.

11.11

(a) Arcreay of strenctures

Armi A-ffere defining a streneture, we can make an arrivary containing our custom data type like, struct ABC a[10];

(b) Nested strenctures

Amp; When we use one streneturze inside an another then that is nested streeture, for example Strenct ABC { struct HELLO hi;

(c) Unions

Ann: Unions is a special data type that use same memory for multiple variable for efficiency.

11.12 To assign value we can

(a) Use dot operator

ABC- a = 5;

(b) Assign while initializing, strand ABC a = {5,6,7};

- assign any value. And the orders must match while initializing.
 - 11.14 Slack byte is the unoccupied byte in strencture. As it initializes to a default value and undefined. That's why we can't compare two structure directly.
 - each members individually.
 - (b) Second method is to pass a copy of entire structure.
 - (c) Third method is to send the address and use pointer to use structure as arranment.
- 11.16 Bit fields may vary from compiler to compiler and thus not recommended for all scenarzios. And it can be used with static or extern.

struct complex p = { 0.0, 1.13;

11.18 Anni Compiler errore! A is not declared.

DEBUGGING EXCERCISE

(a) Correct

- (b) Incorrect. It should be a1. b = 10.75;
- (c) Incorrect, It should be int m = abe a1.a+a1.b;
- (d) Correct
- (e) Connect
- (f) Amorrect. Correct way is to use tog name first.
- (g) (onect
- (h) Incorrect. We can't compare strenctures.

11.2

Aun: Herre we and t declare new array while products [10]: part.

INTERVIEW AUESTIONS

21. I Amni In terems of object size union caves more storage than strenture. Because in union values are stored under same data type.

11.2 Anni Postfix increment or decrement operator has the highest precedence in a programming while common has the lowest.

11.3 Ann: self referential strencture means the condition when a member of a strencture points to another member of the same strencture.

11.4 Ans: To create new data types available options are struct typedef, union and enumerate.

11.5 Ann! Nope, it is not a valid structure.

A memera of a structure cannot be an another same structure.