2102024 sharafat

Chapter 8 (2102024 ID-SharaFit)

MULTIPL CHOICE QUESTIONS

8.1 (6) 25

8.2 69

8.3 (a) Static memory allocation 8.4 (d) Garbage value

8.5 (e) char student [5][30]

8.6 (0 400

## REVIEW QUESTIONS

(a) Folse

(b) True

(c) True

(d) False

(e) True

(f) True

(8) Palse

(W) True

(i) False

(i) False

(W) True

(4) True

```
(a) index
 (b) multidimentional
(c) sorting
(d) runtime
(e) dynamie
(f) jordaze
(3) NULL (10)
   # include < stdio. h>
   () rism tri
      int arreny[5][5];
      forz (++ 1=0; K5; 1++)
         fore (int j=0; j<5; j++)
             if (i == j)
                ARRAY [ ][ [] = 1;
                array [i][j]=0;
       return o;
```

8.4 (e) int matrix [3][5];

8.5 (b) chare str2[]="c";

(c) char str 3[5] = "Moon";

(d) enare str4 [] = {'s', 'U', 'N'};

(e) charz strz5 [10] z "Sun";

and storing data in a computer program on system. As an array can also do the same it's also a data structure

8.7 A dynamic array is a resizable array. It can be determined at compile-time.

It is created using pointers and memory allocation functions. It is widely used in database similar

in database systems.

## DEBUGGING EXCERCISES

- 8.1 (a) int work [100];
  - (b) flat values [10][15];
  - (d) Float average [ROW] [COLUMN];
  - @ double salary [i+ ROW];
  - (f) long int number [ROW];
  - (9) int sum [n];
  - (M) int array [x] [COLUMN];
- 8.2 (d) int m[2][4]={{0,0,0,0};{1,1,1}};
  - (e) float result [10]= (0);
- 8.3 (a) for (1=0; 124; 1++)

  scanf (490f", B[i]);
  - (b) for (iz 1; i<25; i++)

    for (j=1; j <4; j++)

    A [H][J] = 0;
  - (e) for (i=0; 1(4; i+4))
    B[i] = B[i]+1;
- 8.4 main ()

  (int n;

  float of [n];

8.5 15 8.6 HLOWED

## INTERVIEW QUESTIONS

- 8.1 Null array referes to the reference of an object, which is orbsent. On the other hand, empty array refers to an array that has been declared but has no elements.
- 8.2 Difference between modoc and calloc is, public use two argument, where malloceallor take the one argument.
  - 8.3 to convert string to intor vice versa, we can use atoil) and sprintfl)