Vinit Choudhay



"Intorial-2 fms () Problems with Structure programming: · same code repetition · lack of errapsulation · lack of information hiding inheritance, Polemos phism and Encapsublian Ams 2.) Class: - Callection of objects having a set of properties class name: - name given to class.

Moclidiers: - can be public or private

Interitance: - Repres to interding properties of one class to another Encapsulation: - protection of data / Wrapping of data Abstraction: - displaying only essential hiding details. Polymorphism: - Ability of a message to be displayed Your marphism Ams3) It is the procedure in which the size of

a data structure is changed during runtime

Vinit Chandray 221 8444 Date: / Page No. There are basically 4 functions: (D) Malloc () - teturns painter of type void (2) (allor () -> used to dynamically allocate the specified number of blocks of momony of specified type 3. Free() -> It is used to do - allocate the momory (4) reallac() -> It is used to change the previously allocated memory allocation Ansyo) (i) # include <stdiah) int main() int K; b[3] 1000 1004 1008 [mt a[] = {1, 2, 3}; ([3] | 200 | 2008 | 200 2004 int * b[3]; a C(3) [300/[304/[3008] int xx C[3]; (C[3] | recontrol roos 4000 int ** * d[3]; f[3] [som/sou/500 8] int * * * * * e[3]; int +** + + [3]; for (K=0; K <3; K++)

Vinit Chouchary for K=0 for K=2 for K= 1 b[k] = a+k; b[0] = a = 1000 6[2] = 1008 643=a+1 = 1000 + 1×4=1004 C[K] = b+K; [6] = b = 2000 C[17 = 2004 C[2]= 2008 d[K]=C+K; d[0] = c = 3000 d43=3004 (1527 = 3008 O[tr] =d+K; eco? =d = 4000 e[1]=4004 e[2] = 4008 fit? =c+K; f[0] = c = 5000 f[1]=5004 f[2] = 5008. for (K=O; K =3; K++) for K=0 for K=1 for K=2 2 3 print (60 % 3 d 71 * Outbut: (i) # include < stdio, h) int main() int a=2, * b, ** q; b= 4a; printf (60 xd xd xd", a, # b. return 0; iii) # include <stdio. h void fun (int * pto)

Vinit Chaudhary Date: / Page No. 2218444 int main() Anss) (i) int main () int t[]= {1,2,3,4,5}; int *p, *q, *x; b=t; q=p[i]; x= p[2]; print(60%, d%d %d9) *p, *q, *x); - Segmentation fault (ii) int main () Char # C; > integer C= 4x; char pointer setwon 0;

Vinit Choudhary 2218444 Ams 6) # include Totalio, h> int main() int * pto; $\frac{1}{\sqrt{n}} = 0;$ $\frac{1}{\sqrt{n}} = 0;$ $\frac{1}{\sqrt{n}} = 0;$ print (66 * pto = %d/m", * ptr); $\frac{d^{2}}{d^{2}} = \frac{1}{2} \frac{d^{2}}{d^{2}} = \frac{1}{2} \frac{d^{2}}{d^{2}}$ print (60 $x = \frac{1}{2} d \ln^{7}, x);$ print (60 $x = \frac{1}{2} d \ln^{7}, x);$ seturn 0;

Output:- x = 0*ht x = 0Ans 7) # induce < stdio, h> * btr = 6 int main () int -> 4 bytes int arri[]={1,2,3}; Char - 1 byte pointer > 4 bytes int * ptri = arri; char arrc[] = {1, 2, 3}; Char * ptrc = arc;

printf ("size of aris[] = %.d", size of (aris);

printf ("size of arcs[] = %.d", size of (aris);

printf ("size of arcs[] = %.d", six of (aris); > 1×3=3

vinit choudhary 2218444 mint (Size of ptoc = /cd", size of (ptoc)); Output :-Size of avril]=12 size of ptri=8 size of avril]=3 size of ptri=8 Ams8r) struct video { char name [50]; int ranking; int main() (Struct video cots = { " (at vid", 53 }; struct video * ptr; pto = 4 cats; return 0; to ranking = 45 08 to - sanking = 45 Ans 91) # include < stdio. h) int main() are 12.5 10.0 13.5 90.5 0.5 fleat coo.[5] ={12.5, 10.0, 13.5, 90.5, 0.5}; float * pts1 = b+ arr(0]: ->100 floot * pto 2 = pto 1+3; -> 112 print (60%, +") * pto 2); -> prints 90.5 mint (60 %, d") ptr 2-pto 1); > prints 3 return 0; Output, - 90,5 3