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Assignment - 8 Mary - Address

Q1 what is meant by virtual memory?

or marker for a memory space that

an os allows a process to use.

The virtual address points to a process

location in a primary storage that a

process can in primary storage use

Independently of other processes

ment system is able to allocate huge amount of memory to a process.

2. Predict the output of below code snippet

include < stdio.h >

int main ()

int arr[6] = {10.20,303; 11 base address as 100

Printf (" 1/d", arr [0]); // 10 printf (" 1/d", arr [n6]); // 30 printf (" 1/d", arr [3-1]; // 30 printf (" 1/d", arr); // 1/00 printf (" 1/d", arr+1); // 1/04

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Assignment - 8

Q1 what is meant by virtual memony 9 address

or marker for a memory space that an os allows a process to use.

print (18th carr [3])): 11 112

- The virtual address points to a process

 location in a primary storage that a

 process can in primary storage use

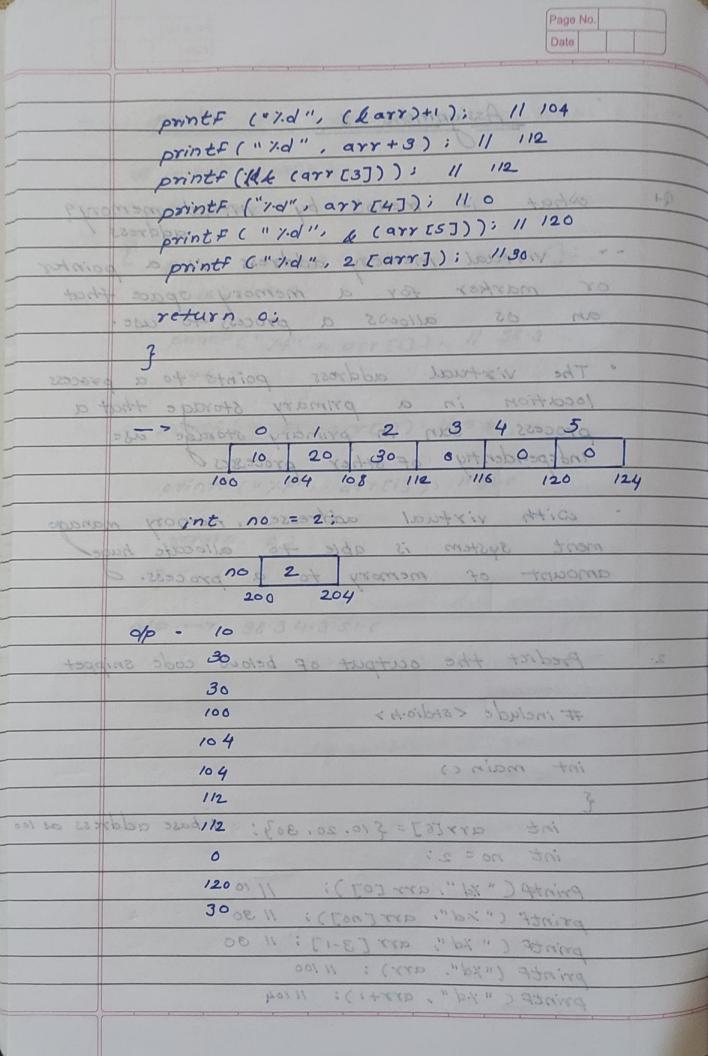
 Independently of other processes
 - ment system is able to allocate huge amount of memory to a process.
- 2. Predict the output of below code snippet

include < stdio.h >

int main ()

int arr[6] = {10.20,303; 11 base address as 100 int no = 2;

Printf (" 1.d", arr [0]); // 10 printf (" 1.d", arr [n6]); // 30 printf (" 1.d", arr [3-1]; // 30 printf (" 1.d", arr); // 1/00 printf (" 1.d", arr+1); // 1/04



- operator 9 a use of & (address of)
 - variable to access their memory address.
 - to access a memory location of an variable.
 - exactly in a memory:
 - · Pointer uses 'L' operator (L) address of operator stores the address of any variable L we can access that variable with the help of address.
 - the help of address.

 A operator helps the user to access the element fastly that the direct callingthat operation.

line to a So

$$c \cdot g \cdot - int i = 0;$$
 $int * ip = &i$
 ip
 ip

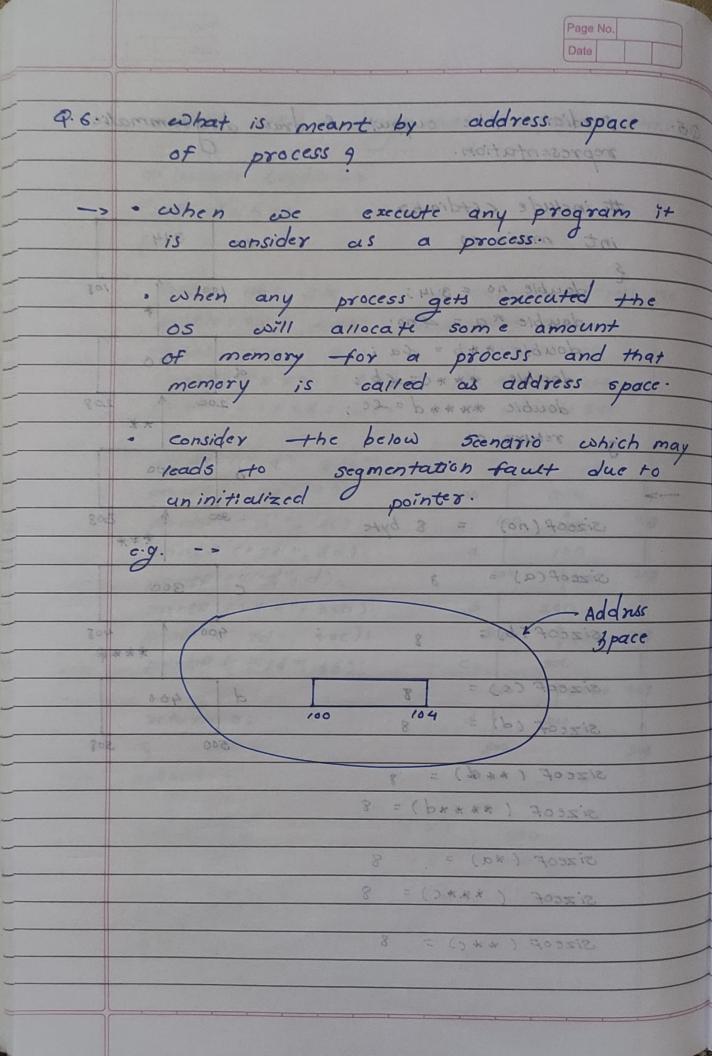
Page No. Date Q.4. output with diagramatic representation. # include Lstdio.h> provoint main () returned to restable . variable to access their memore double no = 3.14; Il consider address 100 double *a = 4 no; 11 address 2000 double * * b = 4 a; 11 dddress 300 double * * * c = 4b; " address 406 double * * * * d = 40; 11 address 500 prints ("1.d", 4.06); exactly Cip printf (" y.d" a): no 3.14 printf (" id" &c): 108 printf ("/d". Rd): printf (" "d". d): 200 208 printf (" 1. d", **d); 1200 print ("1d", **c); 300 1 1** 308 printf ("1.d" +b); of pastly that the direct earling ↑ A # # # 408 roltdrog 400 to return o; 508 co : int : = 0: 100 4 10 = di: x *d = 200 4no = 100

a = 100 A = 100 A = 100 A = 100

Rd = 500 d = 400

4 9 = 200

Q5. Predict the output & draw diagrammatic representation. # include cotdions int main () 3.14 double no = 3.14; double * a = 4no: double ++b = 4a in the 100 double ***c= 4b: 209 double ** * d = lc; consider the below congretor which may ous do segmentation facult due 10 Havinged a pointer. 308 size of (no) = 8 byte size of (a) = 300 sizeof (b) = 400 8 size of (c) = d 400 Sizeof (d) = Pol 8 500 508 size of (* + d) = size of (** * *d) = 8 size of (*a) = 8 sizeof (***c) = 8 Size of (++ c) = 8



member of stack frame 9

Q. 8.

ap include < sidio. h >

int main co

chay ch = 'A';

chay * P = Lch;

chay * R q = LP;

192 = x ** YEAD

chay ky = Reh:

getusen es

printf (" χd", ξch);

printf (" γd", ρ);

printf (" γd", Δρ);

printf (" γd", Δγ);

printe (" t.c", **X);
printe (" t.c", **q);
printe (" t.d", *q);

yourn o:

Predict the output of below code snippet 9. a draw its diagrammatic representation. # include < stdio. h > int main co chay ch = 'A'; char * p = &ch: char **9 = &p: chay ** x = 4P; char * Y = &ch : return o; printf("id", Ach); printf ("7.d", P); printf ("1.d", GP); printf (" 1.d", &9); printf (" 1.d", d): printf (" 1.c", **x); printf (" 7.6", **9); printf (" 1.d", *9): yeturn o:

