WEEK-3 (20 JAN - 25 JAN)

[CO 1]

Q 1: Write a program in C using pointers to compute the sum of all elements stored in an array.

Q 2: Write a C program with a function using pointers to exchange the values stored in two locations in the memory.

Hint : void exchange(int*, Int*) // user defined

Q 3: Write a program in C using points to determine the length of a character string.

Q 4: Write a function using pointer parameter that compares two integer arrays to see whether they are identical. The function returns 1 if they are identical, 0 otherwise.

Hint: **a[3] = (1, 2, 3);**
b[3] = (2, 3, 1);
c[3] = (1, 2, 4);

&identical(a, b) returns 1
&identical(a, c) returns 0

Q5. What is the output of the following program?

Program	Output Options

#include<stdio.h>
main() {
char *s = "Hello";
while(*s!=NULL)
printf("%c", *s++);
}
	A - Hello
	
	B - Helloellolloloo
	
	C - ello
	
	D - Compile error

#include<stdio.h>
int main() {
const int *ptr = &i;
char str[] = "Welcome";
s = str;
while(*s)
printf("%c", *s++);
return 0;
}
	A - Welcome
	
	B - 0
	
	C - Wel
	
	D - Come

#include<stdio.h>
main() {
register int x = 5;
int *p;
p=&x;
x++;
printf("%d",*p);
}
	A - Compile error
	
	B - 5
	
	C - 6
	
	D - Garbage value

#include<stdio.h>
int main() {
const int x = 5;
const int *ptrx;
ptrx = &x;
*ptrx = 10;
printf("%d\n", x);
return 0;
}
	A - 10
	
	B - 20
	
	C - 0
	
	D - The program will return error