***Week 3***

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***Batch : F2***

***Question 1:***

#include<stdio.h>

int main()

{

int n, sum = 0,i;

printf("Enter the length of the Array :");

scanf("%d",&n);

int arr[n],\*p;

for(i=0;i<n;i++)

{

printf("Enter the %d element of the array :",i);

scanf("%d",&arr[i]);

}

p = &arr[0];

for(i=0;i<n;i++)

{

sum = sum+\*(p+i);

}

printf("\n\n The sum of elements of the array is %d :",sum);

}

***Question 2:***

#include<stdio.h>

void swap(int\*p,int\*q)

{

int t;

t = \*p;

\*p = \*q;

\*q = t;

}

int main()

{

int a,b;

printf("Enter the two number :");

scanf("%d %d",&a,&b);

swap(&a,&b);

printf("%d %d",a,b);

}

***Question 3:***

#include<stdio.h>

#include<stdlib.h>

int main()

{

char c[40];

char \*p;

printf("Enter the string :");

gets(c);

p = &c[0];

int count = 0;

while(\*p != '\0')

{

count++;

p++;

}

printf("%d",count);

}

***Question 4:***

#include<stdio.h>

int sortarrays(int \*x,int\*y,int n)

{

int i,j,flag = 1;

int temp;

for(i=0;i<n-1;i++)

{

for(j=i+1;j<n;j++)

{

if (\*(x+i) > \*(x+j))

{

temp = \*(x+j) ;

\*(x+j) = \*(x+i);

\*(x+i) = temp;

}

}

}

for(i=0;i<n-1;i++)

{

for(j=i+1;j<n;j++)

{

if (\*(y+i) > \*(y+j))

{

temp = \*(y+j) ;

\*(y+j) = \*(y+i);

\*(y+i) = temp;

}

}

}

for(i=0;i<n;i++)

{

if(x[i] != y[i])

{

flag=0;

break;

}

}

return flag

}

int main()

{

int n,i;

int \*p;

printf("Enter the length of the array :");

scanf("%d",&n);

int a[n],b[n];

for(i=0;i<n;i++)

{

printf("Enter the %d element of first array :",i);

scanf("%d",&a[i]);

printf("Enter the %d element of second array :",i);

scanf("%d",&b[i]);

}

printf("%d",sortarrays(a,b,n));

}