	Assignment - II
Q	1. # include < stdio.n>
	(at main()
	[int arr[10];
	int i, size, min, max;
	printf("Enter size of array");
	Scant("%d', &size);
	printf("Enter elements in the array: ");
	Scart(" % d", for (i=0, i < Size; i++)
	1 Scanfe" Tod", SarotiJ); y
	max = agr[0].
	min = a >> [0].
	for (i=), i <size; i++)<="" th=""></size;>
	fit (aroli] > max)
	Emage = arr(i),y
	if(arr[i] <min)< th=""></min)<>
	$\{min = arr(i): 3$
	<u> </u>
	printf("Maximum element: % d", max).
	printf("Minimum element: %d", min);
	3returno:
	_
(Sundaram)	FOR EDUCATIONAL USE

<b>Ø</b> 2.	COMPILER		
		TNTERPRETER	
INPUT	It take an entire program at	It takes a single line of code or instruction of atime.	
CUTPUT	It generates intermediate object	It does not produce ony intermodiate object code.	
	code	intermodiate object code.	_
SPEED	Comparatively Faster	Slower.	
ERROR		Easier Comporationly.	
Ditation	Difficult	tasier conquirements.	
		1	
		N N N N N N N N N N N N N N N N N N N	
Sundaram	FO	R EDUCATIONAL USE	

a. In Consgramming, an array of pointer is an indexed set of wariable are pointers. Pointers are an important tool in CS for creating, using and destroying all types of data structures. An array of pointers is creeful for the same see reason that all arrays are useful: it allows you to numerically index a set of #includeestdio.b> Const int Array-Size E=5; main() (in+ array-of integers []= {5,10,20,40,803; int i tarray of pointers [Array Size]. for(i=0; i < Stray\_Size; i++) Carray of pointersit &array of integres [i]; & for(i=0; i< Array\_Size; i++) [print+("array of-integers [%d]=%d\n",i, +array of-pointers[]) FOR EDUCATIONAL USE Sundaram

```
Q4. #include estdio.h>
     main()
     l'int axx1[50], axx2[50], axx3[50], m, n, i, J, K=0.
      printf("Enter Size ofarray1:");
      scanf (" % od", &m);
      printA("Enter array! elements:").
      for(i=0, i<m; i++)
      { pscanf("old", laxo([[]); }
      printA("EnterSize of array 2:");
      Scanf (" %d", &n);
       print+("Enter array 2 elements:");
       Stanft for (j-0; j-++)
       {Scanf("%d", &axx2(j))}
       i=0; J=0.
      while (icm &&Jan)
      lif (axx1[i] Laxx2[j])
       f apr3[k]= apr1[i];
      { a >> 3[k] = a > D[o];
      J++; 3
      X++;
      if (iz=m)
      Swhile (ocn)
       1aro3[K] =aro2[J]
       J++; K++; y
Sundaram
                          FOR EDUCATIONAL USE
```

```
print("After Merging:");
for(i=0; i<m+n; i++)
         Eprintf("%d", ass3 (i)). J
Q5. An array of stauctures in Cambe defined as the collection of multiple structure variables contains information about different entities. The array of structure in Careused to store information about multiple entities of different
      #includecatdio.h>
      #includecetring.b>
      struct student
      Eintrollno;
       char rame[50].
      main ()
      Sint i.
       struct student st [5];
      printf("Enter Record of 5 Students: ");
      for(1=0; 145; 1+4)
     & pointA("Rollno:");
       Scanf(" "/d", &st (i) rollno);
      print+ (" Name:");
       scant("%", st(i). name);
     Pofor(1=0,1c5;1++)
     is print-f("Rollno: %d. Name: %S", St(i). rollnosf(i).name), y
```