91 Wap to create an Dynamic Array and display elements.

```
#include < stdis.h>
#include < stdlib.h>
int main()
 int *ptr = NULL;
 int i, n = 0;
 printf("ENTER THE SIZE OF ARRAY: ");
 scanf("%d", &n);
 ptr = (int *)malloc(n * sizeof(int));
 printf("ENTER THE ELEMENTS: ");
  for (i = 0; i < N; ++i)
    scanf("%d", &ptr[i]);
 printf("nonno Array elements are non \n");
  for (i = 0; i < n; ++i)
    printf("%d\t", ptr[i]);
  return O:
ENTER THE SIZE OF ARRAY: 5
ENTER THE ELEMENTS: 4
       ~ Array elements are ~~~~
```

92. Wap to allocate memory for 5 no and display it by using malloc.

```
#include < stdis.h>
#include < stdis.h>

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int main()
{

int *ptr = NVL;

int i, len = 5;

ptr = (int *)malloc(len * sizeof(int));

printf("ENTER THE ELEMENTS:");

for (i = 0; i < len; ++i)
{

scanf("%d", &ptr(i));
}

printf("Elements stored using malloc: \n");

for (i = 0; i < len; ++i)
{

printf("%d\t", ptr(i));
```

```
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      return O:
       ENTER THE ELEMENTS: 5
       3
       1
      Elements stored using malloc:
                                                4
93. Wap to allocate 5 no and find greatest no by using calloc.
    #include <stdis.h>
     #include < stdlib.h>
    int main O
      int n;
      double *data;
      printf("Enter the total number of elements:");
       scanf("%d", &n);
       data = (double *)calloc(n, sizeof(double));
       if (data == NULL)
         printf("Error!!! memory not allocated.");
       for (int i = 0; i < n; eqi)
        printf("Enter number %d:", i+1);
         scanf("%lf", data + i);
       for (int i = 1; i < n; eri)
         if (*data < *(data + i))
           *data = *(data + i);
```

```
return O:
Enter the total number of elements: 5
Enter number1: 1
Enter number2: 3
Enter number3: 5
Enter number4: 2
Enter number5: 4
Largest number = 5.00
```

Wap to add two no in cff. 94.

printf("Largest number = %.21f", *data);

```
#include <iostream>
using namespace std;
int main()
```

return O:

int first Number, second Number, sum Of Two Numbers;

```
cout << "Enter two integers:";

cin >> firstNumber >> secondNumber;

// sum of two numbers in stored in variable sumOfTwoNumbers

sumOfTwoNumbers = firstNumber + secondNumber;

// Prints sum

cout << firstNumber << "+" << secondNumber << "=" << sumOfTwoNumbers;

return 0;

Enter two integers: 12 23

12 + 23 = 35
```

95. Wap to check no is arms trong or not of 3 digits no in C++.

#include <iostream>
using names pace & td;
int main()
{

int num, oNum, Rmndr, res = 0;
cout << "Enter a three-digit integer:";
cin >> num;
oNum = num;
while (oNum!= 0)
{

Rmndr = oNum % 10;
res += Rmndr ** Rmndr ** Rmndr;
oNum /= 10;
}
if (res == num)
cout << num << "is an Arms trong number.";
else
cout << num << "is not an Arms trong number.";

```
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```

96. Wap to create student structure having roll, name, mark1, mark2, mark3 and display sum(), avg() using pointer to structure in C.

#include < stdish > void main()
{

struct student
{

int rollno;

char name[20];

int m1, m2, m3, total;

float average;

```
struct student s[20], ti
inti, j, ni
printf("\n Enter the number of students:");
scanf("%d", &n);
for (i = 0; i < n; i+1)
  printf("Enter the roll no: ");
  scanf("%d", &s[i].vollno);
  printf("\nEnter the name:");
  scanf("%s", s[i].name);
  printf("\nEnter the marks 1:");
  scanf("%d", &s[i]m];
  printf("\nEnter the marks 2:");
  scanf("%d", &s[i].m2);
  printf("\nEnter the marks 3: \n");
  scanf("%d", &s[i].m3);
  s[i]average = (s[i]m1 + s[i]m2 + s[i]m3) / 3;
for (i = 0; i < n - 1; i + e)
  for (j = i + 1; j < n; j + +)
    if (s[i].average < s[j].average)
       t = &[i];
       s[i] = s[j];
       s[j] = t;
printf("\n---
for (i = 0; i < n; i+1)
  printf("\n---
  printf("\n vollno = %d", &[i].vollno);
  printf("\n name = % s", s(i) name);
  printf("\n mark! = %d", s(i)m!);
  printf("\n mark2 = %d", s(i)m2);
  printf("\n mark3 = %d", s(i)m3);
  printf("\n average = %.21f", s[i].average);
  printf("\n Total = %d", &[i]m1 +&[i]m2 +&[i]m3);
```

```
Enter the number of students: 2
Enter the roll no: 1
Enter the name: Anupam
Enter the marks 1:50
Enter the marks 2: 49
Enter the marks 3:
Enter the roll no: 2
Enter the name: 2
Enter the marks 1:45
Enter the marks 2: 46
Enter the marks 3:
 rollno = 1
 name = Anupam
 mark1 = 50
 mark2 = 49
 mark3 = 48
 average = 49.00
Total = 147
 rollno = 2
 name = 2
 mark1 = 45
 mark2 = 46
 mark3 = 47
 average = 46.00
Total = 138
```

```
97. Wap to create Emp & tructure having empho, ename, exal Use input ) to take input
    and display function for display it.
    #include < stdis.h>
    typedef struct
      char ename[30];
      int empho;
      int esal;
    3 Employee;
    int main()
      int i, n = 2:
      Employee emp[n]:
      printf("Enter %d Employee Details \n \n", n);
      for (i = 0; i < n; i+1)
        printf("Employee %d:-\n", i+1);
        printf("Name: ");
        gets (emp[i].ename);
        printf("Id:");
        scanf("%d", &emp[i].empno);
        printf("Salary:");
        scanf("%d", &emp(i).esal);
        printf("\n");
```

```
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   fflush(stdin);
  printf("-----\n");
  (441 in > 1:0 = 1) rof
   printf("Name \t:");
   printf("% \n", emp[i].ename);
   printf("Id \t:");
   printf("%d\n", emp[i].empno);
   printf("Salary \t:");
   printf("%d\n", emp[i].exal);
   printf("\n");
  return O;
Enter 2 Employee Details
Employee 1:-
Name: Anupam
Id: 1
Salary: 10000
Employee 2:-
Name: Moharana
Id: 2
Salary: 15000
           --- All Employees Details -----
Name : Anupam
Id : 1
Salary : 10000
Name : Moharana
Id : 2
Salary : 15000
```