```
'Q1:wap to see whether 2 strings are anagrams or not/
#include <stdio.h>
int length(char str[]);
void sort(char str[]);
int anagrams(char str1[], char str2[]);
int main()
  char str1[100],str2[100];
int length(char str[])
void sort(char str[])
  char temp;
```

```
int anagrams(char str1[], char str2[])
```

```
[vanidawar@Vani-MacBook-Pro projects % gcc c1q1.c -o c1 [vanidawar@Vani-MacBook-Pro projects % ./c1 Enter first string:listen Enter second string:silent The strings are anagrams  
vanidawar@Vani-MacBook-Pro projects % ■
```

```
#include <stdio.h>
void sortascending(int arr[], int n);
int main()
void sortascending(int arr[], int n)
```

```
vanidawar@Vani-MacBook-Pro projects % gcc c1q2.c -o c2
[vanidawar@Vani-MacBook-Pro projects % ./c2
Enter number of elements: 5
Enter element:1
Enter element:5
Enter element:7
Enter element:3
Enter element:4
Second largest element in the array is 5%
```

```
#include <stdio.h>
int sum(int n);
int main()
int sum(int n)
vanidawar@Vani-MacBook-Pro projects % gcc c1q3.c -o c3
vanidawar@Vani-MacBook-Pro projects % ./c3
Enter a number: 345
Sum of digits = 12%
```

```
#include <stdio.h>
void swap(int *a, int *b);
int main()
void swap(int *a, int *b)
vanidawar@Vani-MacBook-Pro projects % gcc c1q4.c -o c4
vanidawar@Vani-MacBook-Pro projects % ./c4
Enter first number: 9
Enter second number: 4
Before swapping: x = 9, y = 4
After swapping: x = 4, y = 9\%
```

```
#include <stdio.h>
void sort(int arr[], int n);
void printarr(int arr[], int n);
int main()
void sort(int arr[], int n)
void printarr(int arr[], int n)
```

```
[vanidawar@Vani-MacBook-Pro projects % gcc c1q5.c -o c5
[vanidawar@Vani-MacBook-Pro projects % ./c5
Enter size of array:5
Enter element:9
Enter element:2
Enter element:5
Enter element:7
Enter element:1
Sorted array: 1 2 5 7 9
```

```
#include <stdio.h>
struct Student
  char name[50];
void inputdetails(struct Student *s);
void displaydetails(struct Student s);
int main()
  struct Student s;
void inputdetails(struct Student *s)
void displaydetails(struct Student s)
```

vanidawar@Vani-MacBook-Pro projects % gcc c1q6.c -o c6

[vanidawar@Vani-MacBook-Pro projects % ./c6

Enter roll number:28

Enter name:vani Enter marks:98 Student Details:

Roll No: 28 Name: vani

Marks: 98.00%

```
#include <stdio.h>
struct employee
  int id;
  char name[100];
  int HRA;
void inputemp(struct employee *e);
void calculateemp(struct employee *e);
void displayemp(struct employee e);
int main()
void inputemp(struct employee *e)
void calculateemp(struct employee *e)
void displayemp(struct employee e)
```

```
printf("Basic Pay: %d\n",e.pay);
printf("DA: %.d\n",e.DA);
printf("HRA: %d\n",e.HRA);
printf("Gross Salary: %d",e.salary);
}

vanidawar@Vani-MacBook-Pro projects % gcc c1q7.c -o c7
[vanidawar@Vani-MacBook-Pro projects % ./c7
Enter Employee ID:101
Enter Name:vani
Enter Basic Pay:50000
Enter DA: 10000
Enter HRA: 5000
Employee Details:
ID: 101
Name: vani
Basic Pay: 50000
DA: 10000
HRA: 5000
Gross Salary: 65000%
```