Ans. to the q. no 1

```
# include <stdio.h>
int &main () {

int r = 23;
float pi = 22.0f / 7.0f ;
float v = (4.0f / 3.0f) * pi *r *r *r ;

printf(" The value v is %.f \n", v);
 getchar ();
 return 0;

}
```

Ans. to the q. no- 2

```c
#include <stdio.h>
int main() {
int egg-sold[4] = [34, 37, 33, 31];
int total-eggs-sold = 0;
float average_eggs_sold;
for (int i=0; i<4; i++) {
   total-eggs-sold += eggs-sold[i];
   }

average_eggs_sold = (float)total_eggs_sold/4;

printf("Average eggs sold is: %f \n",
                average_eggs_sold);

   getchar();

   return 0;

}
```

Ans. to the q. no-3

```c
#include <stdio.h>
#include <stdlib.h>
int main(){
int student_weights[10];
int weight_to_find;
int found = 0;
printf("Enter the weight of 10students:\n");
    for (int i=0 ; i<10; i++){
        scanf("%d ,& student_weights[i]);

    }
printf("Enter the weight you want to find:\n");
scanf("%d", &weight_tofind);
    for (int i=0 ; i<10 ; i++){
        if (student_weight[i] == weight_to_find)
        { found = 1;
         break; }
    }
```

```c
if (found == 1) {
printf("The weight %d is found.\n",
                weight_to_find);
}
else {
printf("The weight %d is not found.\n",
                weight_to_find);
}
getchar();
return 0;
}
```

Ans. to q. no - 4

The code does not include
include <stdio.h>
technically the program may compile
and even without this, is it assumes
implicit declaration of functions
such as "printf" and "scanf"

int main < > should replaced
by int main ( )

~~int number;~~ ~~int~~ char symble; ok
~~are ok~~ but int number ~~10~~; create array
~~for (int i~~ for (i = 1; i ≤ 10; i = -){should
be changed to
for (int i=1; i ≤ 10; ~~i+1~~ i++){

scanf ("initial") should be changed
to scanf {"%d", &number}
~~number[i];~~

(P.T.O)

printf (symble); changed to
printf ("%c ", symble = (char) number;
printf ('\n); ———▷ printf ("\n ");

}   are ok
}

the   program can be rewritten as
int main ( ) {
int number ;
~~int~~ char symble ;
for (int i = 1 ; i <= 10 ; i+ +) {
      scanf ("%d ", &number);
      printf ("%c ", symble = (char) number);
      printf ("\n ");
} // This c code can take 10 integers from
  // user then print the ASCII character
  (cast) correspondingly.

Ans. to the q. no-5

```c
# include <stdio.h>
int main() {
int n;
    printf ("Enter the number of elements n: ");
    scanf ("%d", &n);

    if (n <= 0) {Printf ("Please enter a positive
                                integerfon. \n");
            return 1; }


    long long sum = 0;
    long long term = 8;
    for (int i = 0; i <= n; ++i) {
            sum += term;
            term = term * 10 + 8; }
 ⊕ Printf {"Values of first n=%d is: %lld", n, sum);
    getchar();
    return 0;    }
```

Am. to the q. no-6

```
#include <stdio.h>
int main (){
File *meseFile = fopen("MCSE.txt", "r");
    if (! meseFile){
      printf ("Error opening file MCSE.txt.\n");
        return 1; }

File * avgMCSEFile=fopen("AvgMCSE.txt, "w");
      if (! avgmcsEFile){
     printf ("Error opening file AvgMCSE.txt. \n");
                fclose (meseFile);
       return1 ; }

  int rollNumber;
  int marks[5];
  float    averageMarks;
    while (fscanf (meseFile, "%d %d %d %d %d %d
n", & rollNumber , & marks[0] , & marks[1],
& marks[2], & marks[3], & marks[4])=6)
```

(P.T.O)

```c
{ if (marks[0] == 0 && marks [1] == 0 && marks[2]
  == 0 && marks[3] == 0 && marks[4] == 0)
{   printf ("Warning: Division by zero for
           of roll number %d, skipping.\n",
  rollNumber);
 continue ;  }
averageMarks =(marks[0] +marks[1] +marks[2]
   + marks [3] + marks [4]) /5.0f ;
fprintf (avgMCSE File, "%d %.2f \n", rollNumber
                  , averageMarks); }

 fclose (mesefile);
 fclose (avg MCSEFile);
  return 0;

 }
```