Assignment-2

Q1. WAP to increase every student mark by 5 & then print the updated array.

```
#include <stdio.h>

int main() {
   int marks[5], i;

   printf("Enter the marks of 5 students: ");
   for (i = 0; i < 5; i++) {
      scanf("%d", &marks[i]);
      marks[i] += 5;
   }

   printf("Marks of students:\n");
   for (i = 0; i < 5; i++) {
      printf("%d\n", marks[i]);
   }

   return 0;
}
```

Q2. WAP to print grade of students as per their marks given in an array. (>=75-- A grade, 74 to 60--B Grade, 59 to 40--C grade below 40--D grade).

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

```
{
   int a[5],i;
   printf("enter the marks of the students:");
   for(i=0;i<5;i++)
   {
      scanf("%d",&a[i]);
   }
   for(i=0;i<5;i++)
   {
      printf("Grade of the student_%d with marks %d is",(i+1),a[i]);
   }
   if(a[i]>=75)
   {
      printf("A\n");
   }
   else if(a[i]>=60 && a[i]<74)
   {
      printf("B\n");
   }
   else if(a[i]>=40 && a[i]<59)
   {
      printf("C\n");
   }
   else
```

```
  {
    printf("D");
  }
  return 0;
}
```

Q3. WAP to find who scored first “99” in an array marks.

```
#include <stdio.h>

int main() {
  int a[5], i, found = 0;

  printf("Enter the elements of an array: ");
  for (i = 0; i < 5; i++) {
    scanf("%d", &a[i]);
    if (a[i] == 99) {
      found = 1;
      printf("Student %d scored 99 first.\n", i + 1);
      break;
    }
  }

  if (!found) {
    printf("No one scored 99 marks.\n");
```

```
    }

    return 0;
}
```

Q4. WAP to find Who & how many students have scored 99 in an array Marks.

```
#include <stdio.h>

int main() {
    int a[5], i, found = 0, student = 0;

    printf("Enter the elements of an array: ");
    for (i = 0; i < 5; i++) {
        scanf("%d", &a[i]);
        if (a[i] == 99) {
            found = 1;
            student++;
            printf("Student %d scored 99.\n", i + 1);
        }
    }

    if (!found) {
        printf("No one scored 99 marks.\n");
    } else {
```

```
        printf("Total number of students scored 99 marks are %d\n", student);
    }

    return 0;
}
```

Q5. WAP to find sum of all scores in Marks array

```
#include <stdio.h>

int main() {
    int a[5], i, sum = 0;

    printf("Enter the marks: ");
    for (i = 0; i < 5; i++) {
        scanf("%d", &a[i]);
        sum += a[i];
    }

    printf("Sum of all the scores is %d", sum);

    return 0;
}
```

Q6. WAP to find average score of the Marks array.

```
#include <stdio.h>
```

```
int main() {
   int a[5], i, sum = 0, avg;

   printf("Enter the marks: ");
   for (i = 0; i < 5; i++) {
      scanf("%d", &a[i]);
      sum += a[i];
   }

   avg = sum / 5;

   printf("Average scores of the marks array is %d\n", avg);
   printf("Sum of all the scores is %d", sum);

   return 0;
}
```

Q7. WAP to check whether score is even or odd in an array.

```
#include <stdio.h>

int main() {
   int a[5], i;

   printf("Enter the scores in a marks array: ");
   for (i = 0; i < 5; i++) {
      scanf("%d", &a[i]);
```

```
    }

    for (i = 0; i < 5; i++) {
        if (a[i] % 2 == 0) {
            printf("Score of %d th student is even.\n", i + 1);
        } else {
            printf("Score of %d th student is odd.\n", i + 1);
        }
    }

    return 0;
}
```

Q8. WAP to find maximum & minimum score in the Marks array.

```
#include <stdio.h>

int main() {
    int a[5], i, max, min;

    printf("Enter the elements of an array: ");
    for (i = 0; i < 5; i++) {
        scanf("%d", &a[i]);
    }

    max = a[0];
    for (i = 1; i < 5; i++) {
```

```
    if (max < a[i]) {
        max = a[i];
    }
  }

  printf("Maximum value is %d\n", max);

  min = a[0];
  for (i = 1; i < 5; i++) {
    if (min > a[i]) {
        min = a[i];
    }
  }

  printf("Minimum value is %d\n", min);

  return 0;
}
```

Q9.