```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
4 #include<stdio.h>
5 int main()
6 {
7    printf("Student Name: Angat Shah\n");
    printf("Branch: B.Tech. Computer Science and Engineering\n");
    printf("Enrollment Number: 202203103510097\n");
    return 0;
11 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
5 #define PI 3.14
6 int main()
7 {
8
       float a,r;
      printf("Enter the value of radius for area of circle: ");
9
       scanf("%f",&r);
10
      a=PI*r*r;
11
      printf("The Area of circle is %.2f.\n",a);
12
13
       return 0;
14 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 #define PI 3.14
6 int main()
7 {
8
       float v,r,h;
       printf("Enter the value of radius for volume of cylinder: ");
9
       scanf("%f",&r);
10
       printf("Enter the value of height of cylinder: ");
11
12
       scanf("%f",&h);
13
       v=PI*r*r*h;
14
       printf("The Volume of cylinder is %.2f.\n",v);
15
       return 0;
16 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
4 #include<stdio.h>
5 int main()
6 {
7
       float C,F;
      printf("Enter the value of temperature in fahrenheit: ");
8
9
      scanf("%f",&F);
      C=(F-32)*5/9;
10
      printf("The value of temperature is %.2f in celsius.\n",C);
11
12
      return 0;
13 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
6 {
7
       int date,month,year;
8
       printf("Enter the date: ");
9
       scanf("%d",&date);
       printf("Enter the month: ");
10
       scanf("%d",&month);
11
12
       printf("Enter the year: ");
13
       scanf("%d", &year);
14
       switch(month)
15
       {
16
           case 1:
17
               printf("JANUARY.\n");
18
               break;
19
           case 2:
20
               printf("FEBRUARY.\n");
21
               break;
22
           case 3:
23
                printf("MARCH.\n");
24
               break;
25
           case 4:
               printf("APRIL.\n");
26
27
               break;
28
           case 5:
29
               printf("MAY.\n");
30
               break;
31
           case 6:
               printf("JUNE.\n");
32
33
               break;
34
           case 7:
35
                printf("JULY.\n");
36
               break;
37
           case 8:
38
               printf("AUGUST.\n");
39
40
           case 9:
41
               printf("SEPTEMBER.\n");
42
               break;
43
           case 10:
               printf("OCTOBER.\n");
44
45
               break;
46
           case 11:
47
                printf("NOVEMBER.\n");
48
               break;
49
           case 12:
50
                printf("DECEMBER.\n");
51
               break;
52
           default:
               printf("ERROR.\n");
53
54
               break;
55
56
       printf("%d/%d\n",date,year);
57
       return 0;
58 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
6 {
7
       int number;
       printf("Enter an integer: ");
8
       scanf("%d",&number);
9
       if (number\%5==0)
10
11
       {
12
           printf("%d is divisible by 5.\n",number);
13
       }
14
       else
15
       {
16
            printf("%d is not divisible by 5.\n",number);
17
       }
18
       return 0;
19 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
6 {
7
       int cdate,cmonth,cyear,bdate,bmonth,byear,years,months,days;
8
       printf("Enter the current date: ");
9
       scanf("%d",&cdate);
10
       printf("Enter the current month: ");
       scanf("%d",&cmonth);
11
12
       printf("Enter the current year: ");
13
       scanf("%d",&cyear);
       printf("Enter the birth date: ");
14
       scanf("%d",&bdate);
15
       printf("Enter the birth month: ");
16
17
       scanf("%d",&bmonth);
       printf("Enter the birth year: ");
18
19
       scanf("%d",&byear);
20
       years=cyear-byear;
21
       if(cmonth>bmonth)
22
       {
23
           months=cmonth-bmonth;
24
       }
25
       else if(bmonth>cmonth)
26
       {
27
           months=bmonth-cmonth;
28
29
       if(cdate>bdate)
30
31
           days=cdate-bdate;
32
       else if(bdate>cdate)
33
34
       {
35
           days=bdate-cdate;
36
37
       printf("Your age is %d years, %d months, %d days.\n",years,months,days);
38
       return 0;
39 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
 6 {
 7
       int marks;
       printf("Enter your marks(0-100): ");
 8
 9
       scanf("%d",&marks);
10
       if(100>=marks \&\& marks>=80)
11
12
            printf("DISTINCTION.\n");
13
       }
       else if(79 > = marks \&\& marks > = 60)
14
15
            printf("FIRST CLASS.\n");
16
17
       }
       else if(59 > = marks \&\& marks > = 40)
18
19
       {
20
            printf("SECOND CLASS.\n");
21
22
       else if(40 \ge \text{marks} \& \text{marks} = 0)
23
24
            printf("FAIL.\n");
25
26
       return 0;
27 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
6 {
7
       int day;
8
       printf("Enter the number of the day: ");
9
       scanf("%d",&day);
10
       switch (day)
11
       {
12
           case 1:
13
           printf("MONDAY.\n");
14
           break;
15
           case 2:
16
           printf("TUESDAY.\n");
17
           break;
18
           case 3:
19
           printf("WEDNESDAY.\n");
20
           break;
21
           case 4:
22
           printf("THURSDAY.\n");
23
           break;
24
           case 5:
25
           printf("FRIDAY.\n");
26
           break;
27
           case 6:
28
           printf("SATURDAY.\n");
29
           break;
30
           case 7:
           printf("SUNDAY.\n");
31
32
           break;
33
34
       default:
35
           printf("ENTER VALID DAY.\n");
36
           break;
37
       }
38
       return 0;
39 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include <stdio.h>
 5 int main()
 6 {
7
     int i,n,t1 = 0, t2 = 1;
8
     int t3 = t1 + t2;
     printf("Enter the number of terms: ");
9
     scanf("%d", &n);
10
     printf("Fibonacci Series: %d %d ", t1, t2);
11
12
     for (i=2;i<n;i++)
13
14
       t3 = t1 + t2;
       printf("%d ",t3);
15
16
       t1 = t2;
17
       t2 = t3;
18
     }
19
     printf("\n");
20
     return 0;
21 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include <stdio.h>
 5 int main()
 6 {
 7
       int n,fd,ld;
       printf("Enter a number: ");
scanf("%d", &n);
 8
 9
10
       ld = n % 10;
       while(n >= 10)
11
12
13
           n = n / 10;
14
       }
15
       fd = n;
       printf("Sum of first and last digit number is = %d.\n",fd+ld);
16
17
       return 0;
18 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
 6 {
 7
       for(int i=1;i<=5;i++)</pre>
 8
           for(int j=1;j<=i;j++)</pre>
 9
10
                printf("%d",j);
11
12
           printf("\n");
13
14
15
       return 0;
16 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
 6 {
 7
        for(int i=1;i<=5;i++)</pre>
 8
             for(int s=i;s<5;s++)
printf(" ");</pre>
 9
10
             for(int j=1; j<=i; j++)
printf(" *");</pre>
11
12
             printf("\n");
13
14
15
        return 0;
16 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
 6 {
 7
        for(int i=5;i>=1;i--)
 8
            for(int s=i;s<5;s++)
printf(" ");</pre>
 9
10
            for(int j=1; j<=i; j++)
printf(" *");</pre>
11
12
            printf("\n");
13
14
15
        return 0;
16 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
6 {
7
       int i,j;
       for(i='E';i>='A';i--)
8
9
       {
10
           for(j='A';j<=i;j++)
11
12
               printf("%c",j);
13
           }
14
           printf("\n");
15
16
       return 0;
17 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int add();
6 int main()
7 {
8
       add();
9 }
10 int add()
11 {
12
       int i,n,sum=0;
13
       printf("Enter the number: ");
14
       scanf("%d",&n);
       for(i=1;i<=n;i++)
15
16
       {
17
           sum+=i;
18
       }
19
       printf("Sum of first %d number is %d\n",n,sum);
20
       return 0;
21 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int swap(int,int);
6 int main()
7 {
8
       int x,y;
       printf("Enter the value of x and y: ");
9
10
       scanf("%d%d",&x,&y);
       printf("Before Swapping\nValue of x is %d and y is %d\n",x,y);
11
12
       swap(x,y);
13 }
14 int swap(int x,int y)
15 {
16
       x=x+y;
17
       y=x-y;
18
       x=x-y;
19
       printf("After Swapping\nValue of x is %d and y is %d\n",x,y);
20
       return 0;
21 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int upr(char[]);
 6 int main()
7 {
       char s[20];
8
9
       printf("Enter string: ");
10
       scanf("%s",s);
11
       upr(s);
12 }
13 int upr(char s[20])
14 {
15
       int i;
16
       printf("%s in upper case is ",s);
17
       for(i=0;s[i];i++)
18
19
           if(s[i]>96 \&\& s[i]<123)
20
21
               s[i] -= 32;
22
           }
23
       }
24
       printf("%s.\n",s);
25
       return 0;
26 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
 6 {
7
       int rollno[20],marks[20],i;
8
       for(i=0;i<20;i++)
9
       {
           printf("Enter the roll number of the student: ");
10
           scanf("%d",&rollno[i]);
11
           printf("Enter the marks of roll number %d: ",rollno[i]);
12
           scanf("%d",&marks[i]);
13
14
       for(i=0;i<20;i++)
15
16
           printf("Marks of Roll Number %d is %d.\n",rollno[i],marks[i]);
17
18
19
       return 0;
20 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int main()
6 {
7
       int n,i,j,arr[11],swap;
8
       printf("Enter number of elements you want to sort: ");
9
       scanf("%d",&n);
10
       printf("Enter %d integers\n",n);
       for(i=0;i<n;i++) //for storing the elements</pre>
11
12
13
           scanf("%d",&arr[i]);
14
15
       for(i=0;i<n-1;i++) //pass
16
17
           for(j=0;j<n-i-1;j++)
18
19
               if(arr[j]>arr[j+1])
20
21
                    swap=arr[j];
22
                    arr[j]=arr[j+1];
23
                    arr[j+1]=swap;
24
               }
25
           }
26
       printf("Bubble sort for the given order is\n");
27
       for(i=0;i<n;i++) //for printing the bubble sort order</pre>
28
29
       {
30
           printf("%d\n",arr[i]);
31
32
       return 0;
33 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include <stdio.h>
 5 int main()
6 {
7
       int array[100],n,c,d,position,t;
8
       printf("Enter number of elements: ");
9
       scanf("%d", &n);
       printf("Enter %d integers.\n", n);
10
       for (c = 0; c < n; c++)
11
12
       scanf("%d", &array[c]);
13
       for (c = 0; c < (n - 1); c++) // finding minimum element <math>(n-1) times
14
15
           position = c;
16
           for (d = c + 1; d < n; d++)
17
18
               if (array[position] > array[d])
19
20
               position = d;
21
22
           }
23
           if (position != c)
24
               t = array[c];
25
26
               array[c] = array[position];
27
               array[position] = t;
28
           }
29
30
       printf("Sorted list in ascending order:\n");
31
       for (c = 0; c < n; c++)
32
33
          printf("%d\n", array[c]);
34
35
       return 0;
36 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 #include<string.h>
 6 int main()
7 {
8
       char s1[101],s2[101];
       int l1, l2;
9
       printf("Enter the first string: ");
10
11
       scanf("%s",s1);
12
       printf("Enter the second string: ");
13
       scanf("%s",s2);
       l1=strlen(s1);
14
       l2=strlen(s2);
15
       printf("The length of first string is %d\n",l1);
16
17
       printf("The length of second string is %d\n",l2);
       printf("Result of comparison of both the string is %d\n", strcmp(s1,s2));
18
19
       printf("The concatenation of both the string is %s\n",strcat(s1,s2));
20
       printf("Result of copying one string to other is %s\n",strcpy(s1,s2));
21
       return 0;
22 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include <stdio.h>
 5 struct person
6 {
7
       char name[21];
8
       char doj[11];
9
       float salary;
10 };
11 int main()
12 {
13
       struct person p[101];
14
       int n,i;
       printf("Enter number of persons: ");
15
       scanf("%d",&n);
16
17
       for(i=0;i<n;i++)
18
19
           printf("\n Enter %d Person Name : ",i+1);
20
           scanf("%s",p[i].name);
21
           printf("\n Enter Person Date of Joining (dd-mm-yy) : ");
22
           scanf("%s",p[i].doj);
23
           printf("\n Enter Person Salary : ");
24
           scanf("%f",&p[i].salary);
25
       for(i=0;i<n;i++)
26
27
28
           printf("\n Person %d Detail: ",i+1);
29
           printf("\n Name = %s",p[i].name);
30
           printf("\n Date Of Joining = %s",p[i].doj);
           printf("\n Salary = $%.2f",p[i].salary);
31
32
           printf("\n");
33
       printf("\n");
34
35
       return 0;
36 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 struct cricket
6 {
7
       char Player name[50];
8
       char Team name[50];
       float Batting_average;
9
10 };
11 int main()
12 {
13
       struct cricket s[5],t;
14
       int i, j, n=5;
15
       float p;
       printf("\nEnter data of %d players",n);
16
17
       for(i=0;i<n;i++)
18
19
       printf("\nEnter Player name Team name Batting Avg for player-%d = ",i+1);
       scanf("%s %s %f",s[i].Player_name,s[i].Team name,&p);
20
21
       s[i].Batting average=p;
22
23
       for(i=1;i<=n-1;i++)
24
25
       for(j=1;j<=n-i;j++)
26
       if(strcmp(s[j-1].Team name,s[j].Team name)>0)
27
28
           {
29
               t=s[i-1];
30
               s[j-1]=s[j];
31
               s[j]=t;
32
           }
33
       }
34 }
35
       printf("\nAfter teamwise sorting... Player list is\n\n ");
36
       printf("Player Names Team Name Batting Average\n");
37
       for(i=0;i<n;i++)
38
39
           printf("\n%-20s %-20s %.2f",s[i].Player name,
40
           s[i].Team name,s[i].Batting average);
41
42
       printf("\n");
43
       return 0;
44 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 struct time
6 {
7
       int hour;
       int minute;
8
9
       int second;
10 };
11 int main()
12 {
13
       struct time t[5];
14
       int i,j;
       for(i=0,j=1; i<5; i++,j++)
15
16
17
           printf(">>>Enter times %d :\n",j);
18
19
           {
20
                printf(">Enter hour :");
21
                scanf("%d",&t[i].hour);
22
           }while(t[i].hour>24 || t[i].hour<0);</pre>
23
           do
24
25
           printf(">Enter minute :");
           scanf("%d",&t[i].minute);
26
           }while(t[i].minute>60 || t[i].minute<0);</pre>
27
28
           do
29
           printf(">Enter second :");
30
           scanf("%d",&t[i].second);
31
           }while(t[i].second>60 || t[i].second<0);</pre>
32
33
34
       for(i=0, j=1; i<5; i++, j++)
35
36
           printf("\n->Time %d :%d:%d:%d",j,t[i].hour,t[i].minute,t[i].second);
37
38
       printf("\n");
39
       return 0;
40 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
 4 #include<stdio.h>
5 int main()
6 {
7
       int a=11;
       int *p;
8
9
       p=&a;
       printf("Address of variable 'a' is %d\n",p);
10
11
       return 0;
12 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 int swap(int*,int*);
6 int main()
7 {
8
      int a,b;
9
      printf("Enter the value of a: ");
10
      scanf("%d",&a);
      printf("Enter the value of b: ");
11
12
      scanf("%d",&b);
      printf("Before Swapping\nThe value of a is %d and value of b is %d\n",a,b);
13
14
      swap(&a,&b);
15 }
16 int swap(int *p1,int *p2)
17 {
18
      int temp;
19
      temp=*p1;
20
      *p1=*p2;
21
      *p2=temp;
      printf("After Swapping\n");
22
      printf("The value of a is %d and value of b is %d\n",*p1,*p2);
23
24
      return 0;
25 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 void main()
6 {
7
       char ch='a';
       char *p1;
8
9
       p1=&ch;
10
       int i;
       printf("character address is %d",p1);
11
12
       char charr[7]="amtics";
13
       char *p2[7];
14
       for(i=1;i<=7;i++)
15
       {
           printf("%d=%d \n",i,p2[i]);
16
       }
17
18 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
4 #include<stdio.h>
 5 int main()
6 {
7
      int n;
8
      printf("Enter number of elements you want to sort: ");
9
      scanf("%d",&n);
10
      int a[n];
      int *p;
11
12
      p=a;
13
      for (int i=0; i< n; i++)
14
15
          printf("Enter element %d: ",i+1);
          scanf("%d",&a[i]);
16
17
      }
      for (int j=0; j< n; j++)
18
19
      {
20
          for (int i = 0; i < n-1; i++)
21
          {
              if (*(p+i)>*(p+i+1))
22
23
              {
24
                   int temp;
25
                   temp=*(p+i);
                   *(p+i)=*(p+i+1);
26
27
                   *(p+i+1)=temp;
28
              }
29
          }
30
      }
31
      printf("Sorted array is:\n");
32
      for (int i=0; i< n; i++)
33
      {
34
          printf("%d ",a[i]);
35
      printf("\n");
36
37
      return 0;
38 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 void main()
 6 {
 7
       FILE *fp;
        char ch;
 8
 9
        fp=fopen("practical3.c","r");
        do
10
11
        {
12
            ch=getc(fp);
13
            putchar(ch);
14
        }while(ch !=E0F);
        fclose(fp);
15
       printf("\n");
16
17 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 #include<stdlib.h>
 6 #include<string.h>
 7 int main()
8 {
9
       FILE *fptr1, *fptr2;
       char filename[100], c;
10
       printf("Enter the filename to open for reading \n");
11
12
       scanf("%s", filename);
13
       // Open one file for reading
       fptr1 = fopen(filename, "r");
14
       if (fptr1 == NULL)
15
16
17
       printf("Cannot open file %s \n", filename);
18
19
       }
       printf("Enter the filename to open for writing \n");
20
       scanf("%s", filename);
21
       // Open another file for writing
22
23
       fptr2 = fopen(filename, "w");
24
       if (fptr2 == NULL)
25
           printf("Cannot open file %s \n", filename);
26
27
           exit(0);
28
       }
29
       // Read contents from file
       c = fgetc(fptr1);
30
31
       while (c != EOF)
32
33
           fputc(c, fptr2);
34
           c = fgetc(fptr1);
35
36
       printf("\nContents copied to %s", filename);
37
       fclose(fptr1);
38
       fclose(fptr2);
39
       printf("\n");
40
       return 0;
41 }
```

```
1 //Branch: B.Tech Computer Science and Engineering
 2 //Name: Angat Nayanbhai Shah
 3 //Enrollment No:202203103510097
 4 #include<stdio.h>
 5 #include<stdlib.h>
 6 #include<string.h>
 7 int main()
8 {
9
       int n,i;
10
       printf("Enter the number of chracters inside the string.\n");
       scanf("%d",&n);
11
12
       char *p = (char*)malloc((n+1)*sizeof(char));
13
       if(p==NULL)
14
       {
15
           printf("Memory allocation fails..");
16
           exit(0);
17
       }
18
       puts("Enter string");
19
       for(i=0;i<(n+1);i++)
20
       scanf("%c",p+i);
21
       *(p+i) = ' \ 0';
22
       printf("String entered %s",p);
23
       fflush(stdin);
       printf("\nEnter new size\n");
scanf(" %d",&n);
24
25
       p = realloc(p,(n+1)*sizeof(char));
26
       puts("Enter new string");
27
       scanf("%d", &n);
28
29
       for(i=0;i<(n+1);i++)
30
       scanf("%c",p+i);
       *(p+i) = ' (0');
31
32
       printf("New string \n%s",p);
33
       free(p);
34
       return 0;
35 }
```