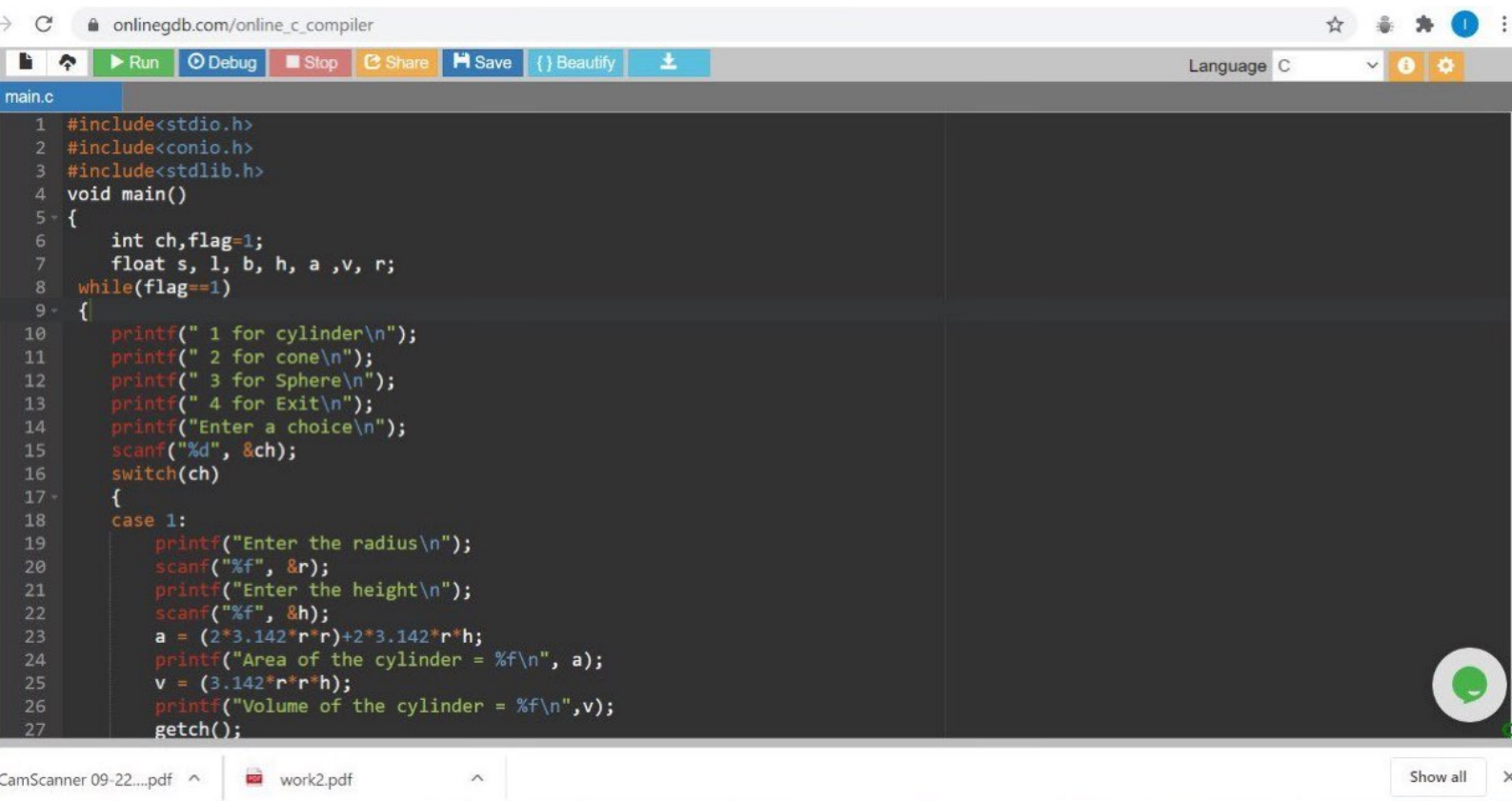

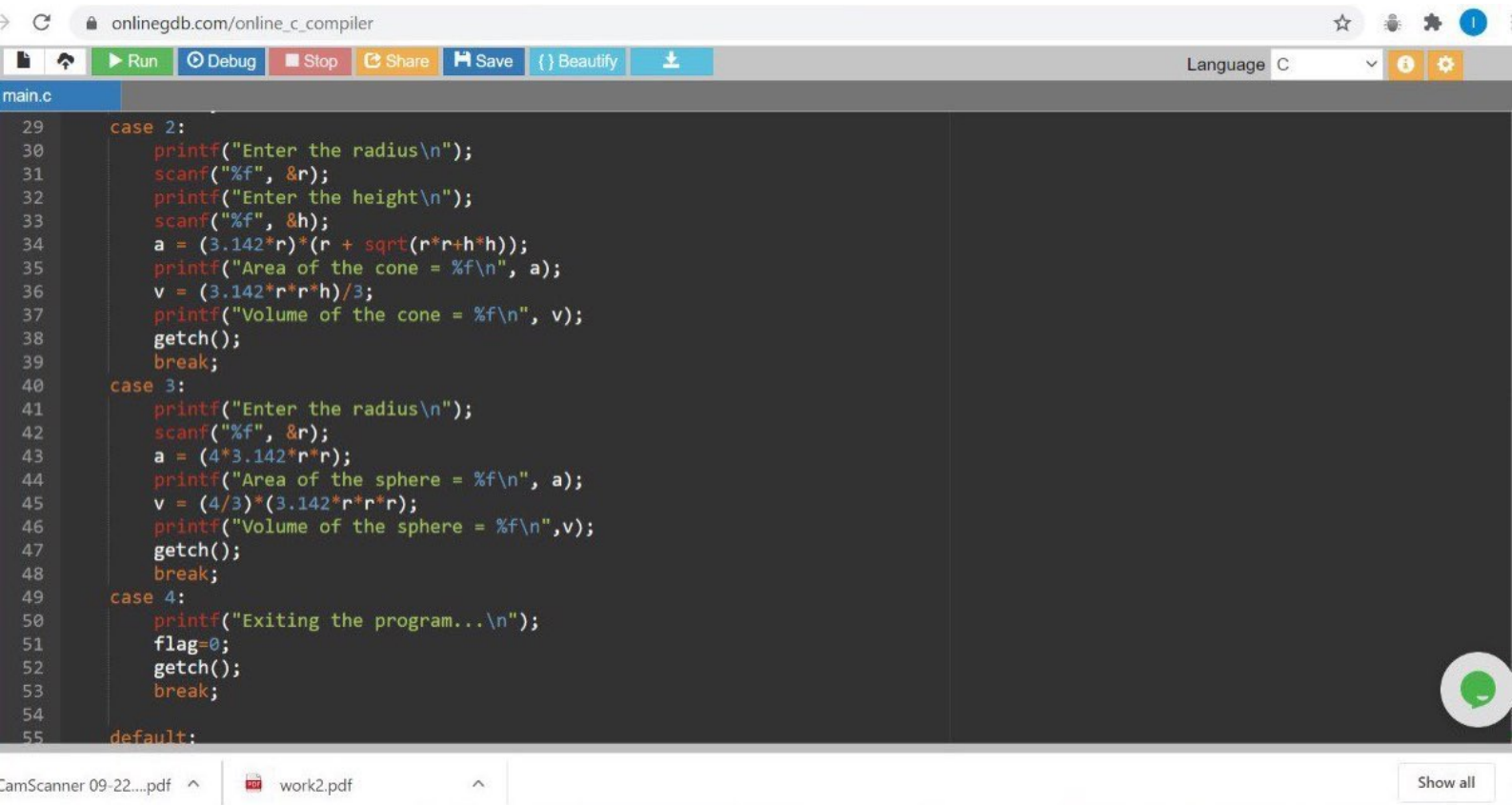

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main.c

```
36          v = (3.142*r*r*h)/3;
37          printf("Volume of the cone = %f\n", v);
38          getch();
39          break;
40      case 3:
41          printf("Enter the radius\n");
42          scanf("%f", &r);
43          a = (4*3.142*r*r);
44          printf("Area of the sphere = %f\n", a);
45          v = (4/3)*(3.142*r*r*r);
46          printf("Volume of the sphere = %f\n",v);
47          getch();
48          break;
49      case 4:
50          printf("Exiting the program...\n");
51          flag=0;
52          getch();
53          break;
54
55      default:
56          printf("Error in figure code, exiting..\n");
57          flag=0;
58          getch();
59          break;
60      }
61  }
62  }
```

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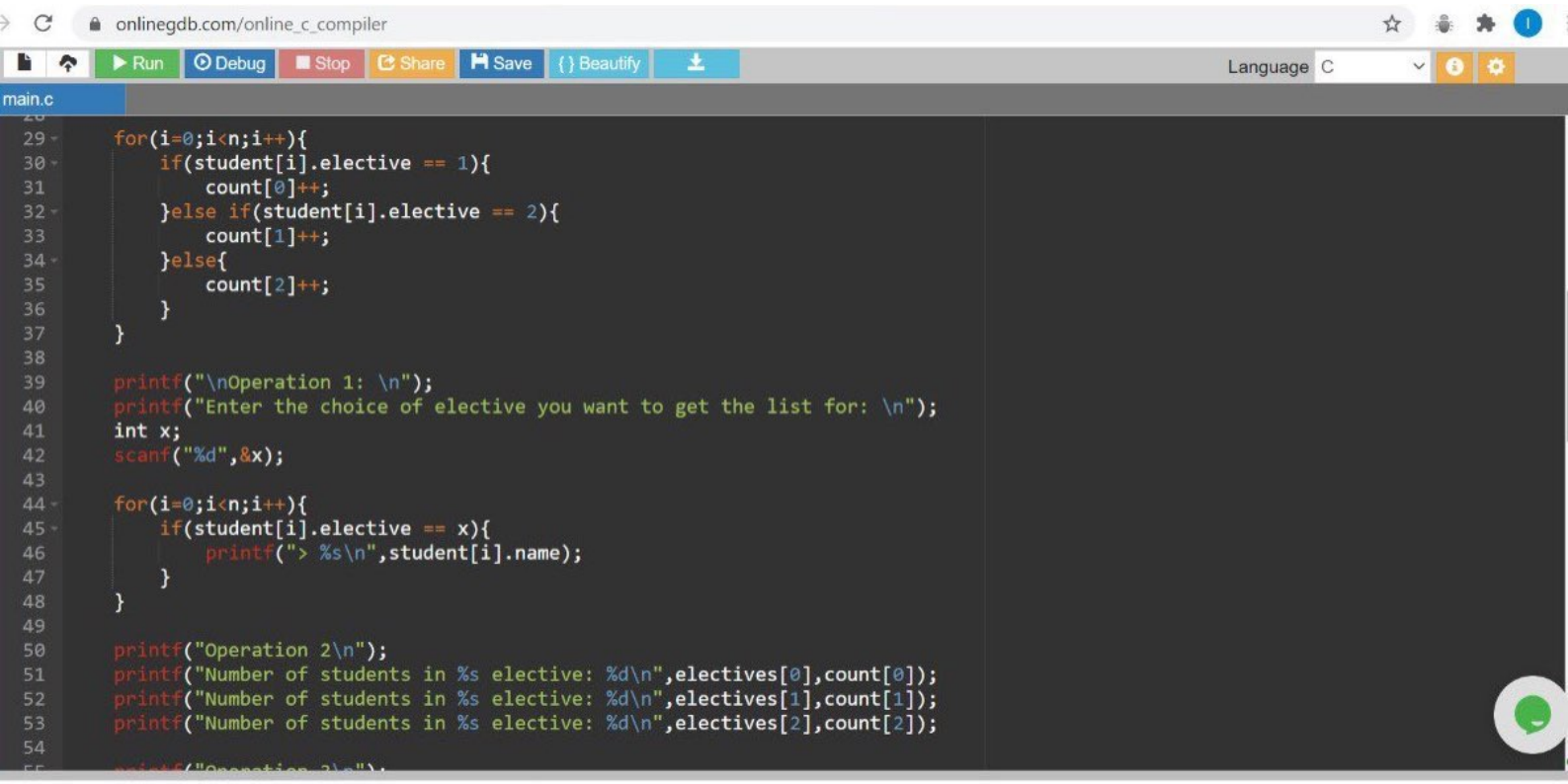
input

```
6
Area of the cone = 9614.189453
Volume of the cone = 9557.963867
 1 for cylinder
 2 for cone
 3 for Sphere
 4 for Exit
Enter a choice
1
Enter the radius
3
Enter the height
4
Area of the cylinder = 131.964005
Volume of the cylinder = 113.112000
 1 for cylinder
 2 for cone
 3 for Sphere
 4 for Exit
Enter a choice
6
Error in figure code, exiting..

...Program finished with exit code 255
Press ENTER to exit console.
```



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main.c

```c
    printf("Operation 3\n");

    if(count[0] < 3){
        printf("%s students must chose another elective due to less number\n",electives[0]);
        printf("choose between Advanced Java(2) and J2EE(3)\n");
        scanf("%d",&choice);
        for(i=0;i<n;i++){
            if(student[i].elective == 1){
                student[i].elective = choice;
                count[0]--;
                count[choice-1]++;
            }

        }
    }
    if(count[1] < 3){
        printf("%s students must chose another elective due to less number\n",electives[1]);
        printf("choose between IOT(1) and J2EE(3)\n");
        scanf("%d",&choice);
        for(i=0;i<n;i++){
            if(student[i].elective == 2){
                student[i].elective = choice;
            }
            count[0]--;
            count[choice-1]++;
        }
    }
```

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main.c

```c
        printf("%s students must chose another elective due to less number\n",electives[2]);
        printf("choose between Advanced Java(1) and J2EE(2)\n");
        scanf("%d",&choice);
        for(i=0;i<n;i++){
            if(student[i].elective == 3){
                student[i].elective = choice;
            }
            count[0]--;
            count[choice-1]++;
        }
    }
    printf("Number of students in %s elective: %d\n",electives[0],count[0]);
    printf("Number of students in %s elective: %d\n",electives[1],count[1]);
    printf("Number of students in %s elective: %d\n",electives[2],count[2]);

    printf("Operation 4\n");

    for(i=0;i<3;i++){
        printf("\nStudents in %s: \n",electives[i]);
        for(j=0;j<n;j++){
            if(student[j].elective == (i+1)){
                printf("> %s\n",student[j].name);
            }
        }
    }
    return 0;
}
```

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