

Q. 1

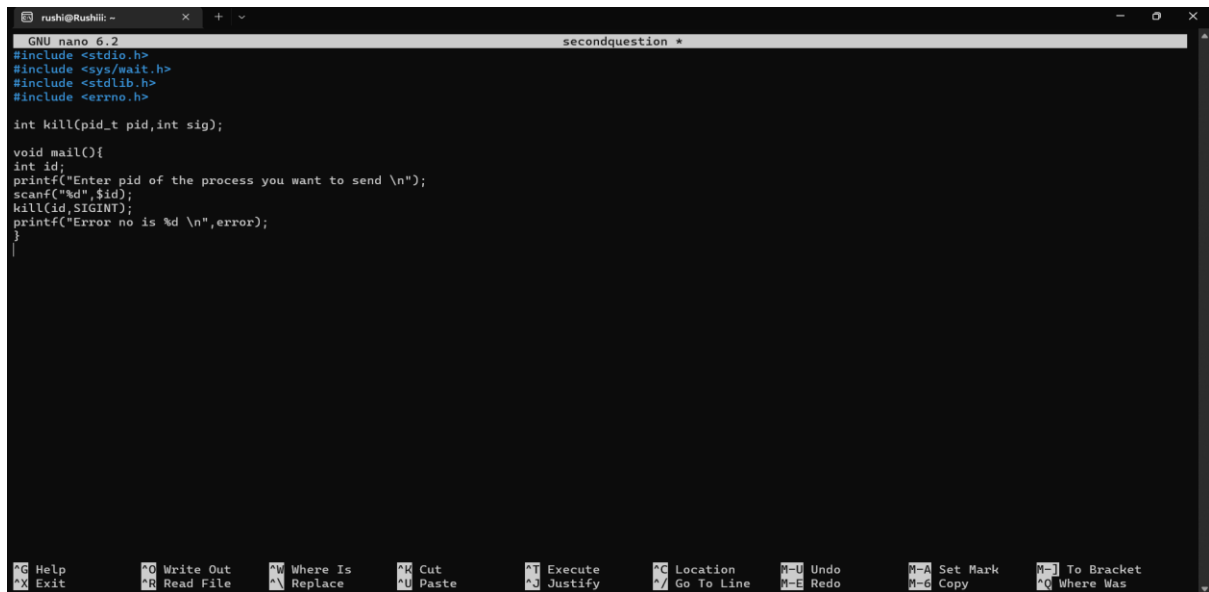
The screenshot displays the Eclipse IDE interface. The Package Explorer on the left shows a project named 'com.exam' with several sub-packages. The main editor window shows the source code for 'Sum_Average.java'. The code defines a package 'com.exam', imports 'java.util.Scanner', and creates a public class 'Sum_Average'. Inside this class, there is a 'main' method that takes a 'String[] args' parameter. The 'main' method initializes an integer 'n' and a float 'average' to 0. It then creates a 'Scanner' object 's' to read input from 'System.in'. It prompts the user to 'Enter size of array:' and reads an integer 'n'. Next, it creates an integer array 'a' of size 'n' and prompts the user to 'Enter elements:'. It then iterates through the array, reading integers and calculating the sum. Finally, it prints the sum and the average.

```
1 package com.exam;
2 import java.util.Scanner;
3
4
5 public class Sum_Average {
6
7     public static void main(String[] args)
8     {
9         int n, sum = 0;
10        float average;
11        Scanner s = new Scanner(System.in);
12        System.out.print("Enter size of array:");
13        n = s.nextInt();
14        int a[] = new int[n];
15        System.out.println("Enter elements:");
16        for(int i = 0; i < n; i++)
17        {
18            a[i] = s.nextInt();
19            sum = sum + a[i];
20        }
21        System.out.println("Sum:"+sum);
22        average = (float)sum / n;
23        System.out.println("Average:"+average);
24    }
25 }
26
27
```

The console output shows the execution of the program. It starts with the prompt 'Enter size of array:' followed by the user input '10'. Then it prompts 'Enter elements:' and the user enters '20', '30', '40', and '50'. The final output is 'Sum:150' and 'Average:30.0'.

```
<terminated> Sum_Average [Java Application] C:\Users\hp\Downloads\eclipse-jee-2022-12-R-win32-x86_64\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.5.v20221102-0933\jre\bin\java.exe (15-Jan-2023 21:44:56)
Enter size of array:10
Enter elements:20
30
40
50
Sum:150
Average:30.0
```

Q. 2



```
GNU nano 6.2 secondquestion *
#include <stdio.h>
#include <sys/wait.h>
#include <stdlib.h>
#include <errno.h>

int kill(pid_t pid,int sig);

void mail(){
    int id;
    printf("Enter pid of the process you want to send \n");
    scanf("%d",&id);
    kill(id,SIGINT);
    printf("Error no is %d \n",error);
}
|
```

```
|
secondquestion.c:13:29: note: each undeclared identifier is reported only once for each function it appears in
rushi@Rushiii:~$ nano secondquestion.c
rushi@Rushiii:~$ gcc secondquestion.c -o seconsquestion
secondquestion.c: In function 'mail':
secondquestion.c:13:22: warning: format '%d' expects argument of type 'int', but argument 2 has type 'int *' [-Wformat=]
    13 | printf("Error no is %d \n",&error);
        |                      ~^
        |                      |
        |                      int
        |                      %ls
/usr/bin/ld: /usr/lib/gcc/x86_64-linux-gnu/11/../../../../x86_64-linux-gnu/Scrt1.o: in function '_start':
(.text+0x1b): undefined reference to 'main'
collect2: error: ld returned 1 exit status
rushi@Rushiii:~$ |
```