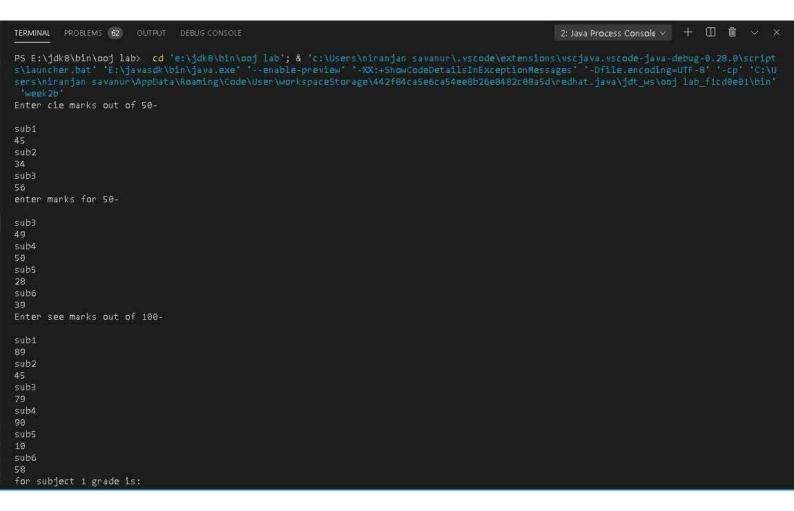
```
PS E:\jdk8\bin\ooj lab> cd 'e:\jdk8\bin\ooj lab'; & 'c:\Users\niranjan savanur\.vscode\extensions\vscjava.vscode-java-debug-0.28.0\script s\launcher.bat' 'E:\javasdk\bin\java.exe' '--enable-preview' '-XX:+ShowCodeDetailsInExceptionMessages' '-Dfile.encoding=UTF-8' '-cp' 'C:\U sers\niranjan savanur\AppData\Roaming\Code\User\workspaceStorage\442f84ca5e6ca54ee8b26e8482c08a5d\redhat.java\jdt_ws\ooj lab_ficd0e0i\bin' week2a'
Enter a number-
7
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21
22 23 24 25 26 27 28
PS E:\jdk8\bin\ooj lab>
```

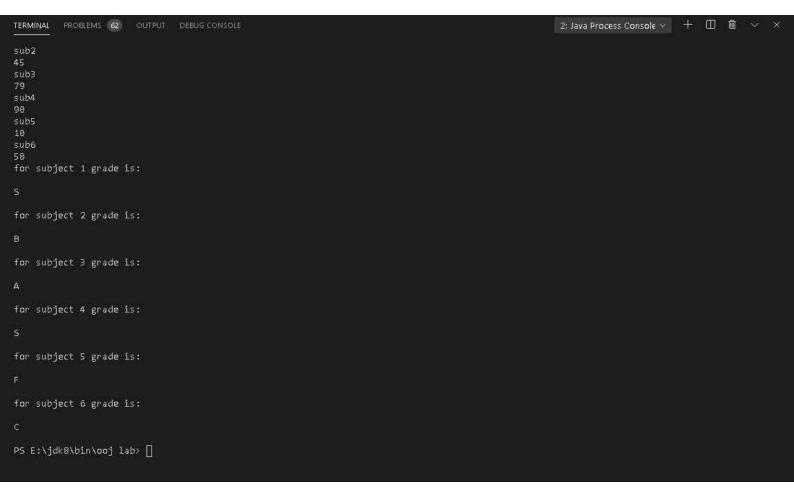
```
▷ ø⊳ ▷ □ ···
week2d.java
                  week2b.java × @ week2c.java
       Apport java.lang.Math;
       class week2b {
            Run | Debug
public static void main(String args[]){
                float[] cieMark = new float[SUB];
float[] seeMark = new float[SUB];
float[] totMark = new float[SUB];
                float cie, see;
                int i, j, k;
Scanner sc = new Scanner(System.in);
                System.out.println("Enter cie marks out of 50-\n");
                     System.out.print("sub"+(i+1)+"\n");
                     cie = sc.nextFloat();
                         System.out.println("enter marks for 50-\n");
                     cieMark[i] = Math.round(cie);
                 System.out.println("Enter see marks out of 100-\n");
                 for(j = 0; j < SUB; j++){
                     System.out.print("sub"+(j+1)+"\n");
                     see = sc.nextFloat();
                         System.out.println("enter marks for 100-\n");
```

```
⊳ № ▷ Ⅲ ···
🏮 week2d.java
                  week2b.java × @ week2c.java

    week2b.java > ★ week2b
    x
    x
    y

                          System.out.princin( enter marks for 100-\chi n ); i -= 1;
                          seeMark[j] = Math.round(see/2);
                 for (k = 0; k < SUB; k++) {
    totMark[k] = cieMark[k] + seeMark[k];</pre>
                     System.out.println("for subject " + (k+1) + " grade is:\n");
                     if (totMark[k] >= 90) {
    System.out.println("S\n");
                      } else if (totMark[k] >= 80) {
                          System.out.println("A\n");
                      } else if (totMark[k] >= 70) {
                          System.out.println("B\n");
                      } else if (totMark[k] \geq 60) {
                          System.out.println("C\n");
                      } else if (totMark[k] >= 50) {
                          System.out.println("D\n");
                      } else if (totMark[k] >= 40) {
                          System.out.println("E\n");
                          System.out.println("F\n");
```





```
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```

TERMINAL PROBLEMS (38) OUTFUT DEBUG CONSOLE

PS E:Xjak8\bin\ooj lab> cd 'e:\jak8\bin\ooj lab'; & 'c:\Usens\ninanjan savanun\.vscode\extensions\vscjava.vscode-java-debug-6.28.0\scrlpt s\landamcher.bat' 'E:\javasdk\bin\java.exe' '--enable-preview' '-XXX+showCodebetalisInExceptionMessages' '-Ofile.encoding=Uff-8' '-cp' 'c:\Usens\ninanjan savanun\approxione\vscjava.vscode-java-debug-6.28.0\scrlpt s\landaming\Code\User\workspaceStorage\42\f84case6ca54ee8b26e8492c88s5d\verdust.java\jdt\_us\ooj| Te-8' '-cp' 'c:\Users\ninanjan savanun\approxione\vscjava.vscode-java-debug-6.28.0\scrlpt
s\landaming\ninanjan savanun\approxione\vscjava.vscode-java-debug-6.28.0\scrlpt
s\landaming\ninanjan savanun\approxione\vscjava.vscode-java-debug-6.28.0\scrlpt
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s\landaming\ninanjan savanun\approxione\vscjava.vscode\ninanjan savanun\approxione\vscjava.vscode

```
▷ ø⊳ ▷ Ⅲ ···
🐠 week2d.java 🗴 🏽 🐠 week2b.java
🧶 week2d.java > 😭 week2d > 🕅 main(String[])
       import java.lang.Math;
       public class week2d {
           Run|Debuq
public static void main(String args[]){
           double area, volume;
           System.out.println("Enter shape you want\n");
           Scanner sc = new Scanner(System.in);
                System.out.println("menu 1:Cylider 2:Cone 3:Sphere 4:Exit\n");
                case 1:
                    System.out.println("Enter radius:\n");
                    r = sc.nextDouble();
                     System.out.println("Enter height:\n");
                    h = sc.nextDouble();
                     area = (2 * pi * r * h) + (2 * pi * (Math.pow(r, 2)));
                    volume = pi * (Math.pow(r, 2)) * h;
5ystem.out.println("Area:"+ area +" Volume:"+ volume+"\n");
                case 2:
                    System.out.println("Enter radius:\n");
                    r = sc.nextDouble();
                     System.out.println("Enter height:\n");
                    h = sc.nextDouble();
                    area = pi * r * (r + Math.sqrt(Math.pow(h, 2) + Math.pow(r, 2)));
volume = pi * Math.pow(r, 2) * h / 3.8;
```

```
... □ < <2 <
week2d.java × @ week2b.java
case 2:
                 System.out.println("Enter radius:\n");
                  r = sc.nextDouble();
                  System.out.println("Enter height:\n");
                  h = sc.nextDouble();
                  area = pi * r * (r + Math.sqrt(Math.pow(h, 2) + Math.pow(r, 2)));
                  volume = pi * Math.pow(r, 2) * h / 3.0;
5ystem.out.println("Area:"+area+" Volume:"+ volume+"\n");
                  break;
                  System.out.println("Enter radius:\n");
                  r = sc.nextDouble();
                  area = 4 * pi * Math.pow(r, 2);
volume = (4 / 3.0) * (pi * (Math.pow(r, 3)));
                  System.out.println("Area:"+area+" Volume:"+ volume+"\n");
              case 4:
                  System.out.println("Exit\n");
                  sc.close();
                  System_out.println("Enter a no. ranging from 1 to 4\n");
```

