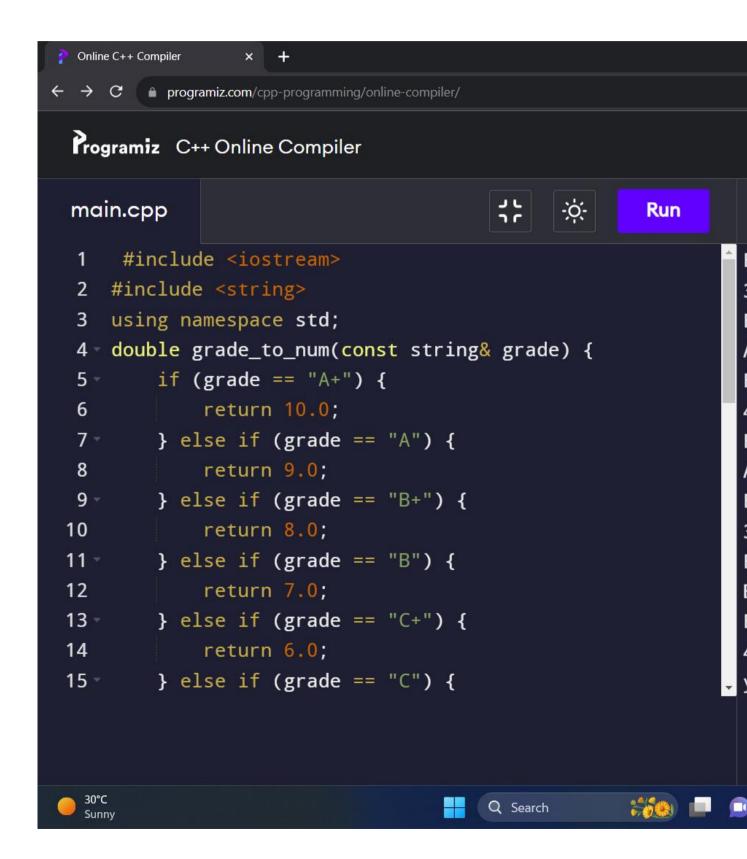
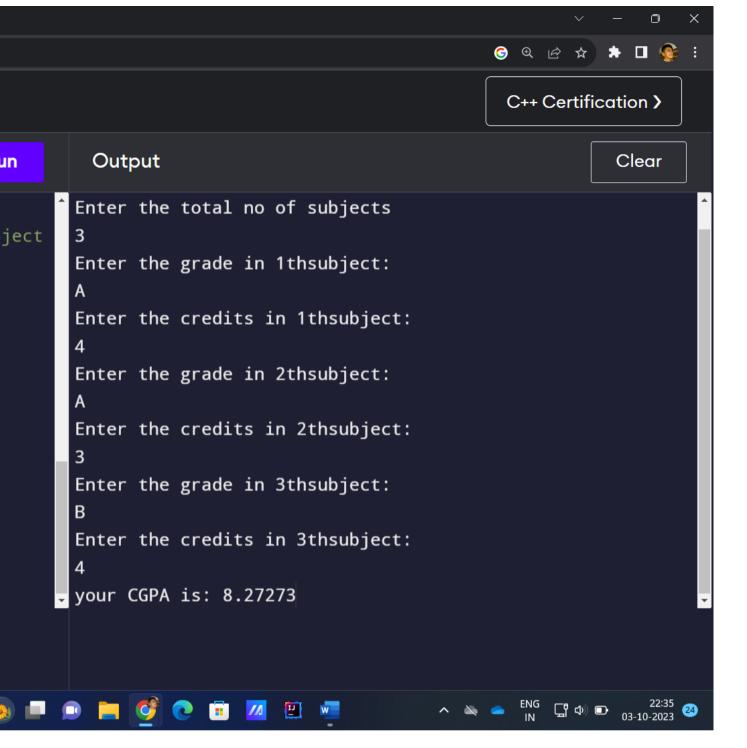
Practice sheet 4
Naman Goyal
23115090
Electrical Engg.(EE4)

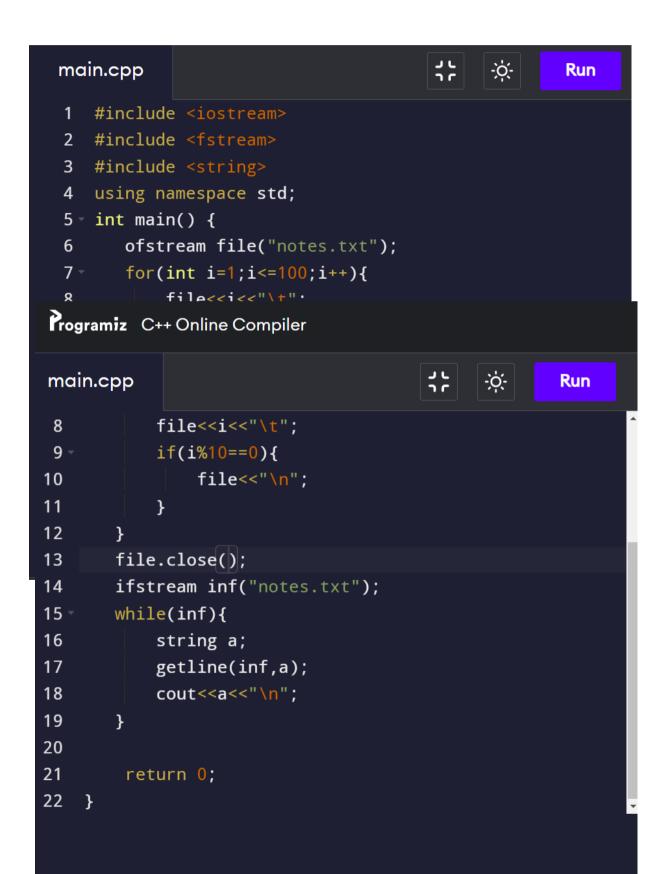
Ques1. Calculate CGPA from grades.



```
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                                            J C
 main.cpp
                                                  -<u>;</u>o-
                                                                       Output
                                                           Run
                                                                     Enter the tota
 16
              return 5.0;
 17 -
          } else if (grade == "D") {
 18
              return 4.0;
                                                                     Enter the grad
 19 -
          } else if (grade == "F") {
                                                                     Enter the cred
 20
              return 0.0;
 21 -
          } else {
 22
               return -1.0; // Return -1 for an invalid
                                                                     Enter the grad
 23
          }}
                                                                     Enter the cred
 24 int main(){int n;
     cout<<"Enter the total no of subjects\n";</pre>
 25
                                                                     Enter the grad
 26
     cin>>n;
     double CGPA, sum=0, sumc=0;
                                                                     Enter the cred
 27
 28 for(int i=0;i<n;i++){string temp;</pre>
 29
          double credits;
                                                                     your CGPA is:
Online C++ Compiler
← → C 🏻 nrogramiz.com/cpp-programming/online-compiler/
 Frogramiz C++ Online Compiler
                                                  -<u>`</u>ó.-
 main.cpp
                                                           Run
                                                                       Output
 29
          double credits;
                                                                     Enter the total
 30
          cout<<"Enter the grade in "<<i+1<<"th"<<"subject</pre>
               : "<<endl;
                                                                     Enter the grade
 31
          cin>>temp;
                                                                     Enter the cred
          cout<<"Enter the credits in "<<i+1<<"th"</pre>
 32
               <<"subject: "<<endl;
 33
          cin>>credits:
                                                                     Enter the grade
 34
          sumc+=credits;
 35
          sum+=(grade_to_num(temp)*credits);
                                                                     Enter the cred
 36
 37
     CGPA=sum/sumc;
                                                                     Enter the grade
 38
     cout<<"your CGPA is: "<<CGPA;</pre>
 39
                                                                     Enter the cred
 40
     return 0;
 41
                                                                     your CGPA is:
```

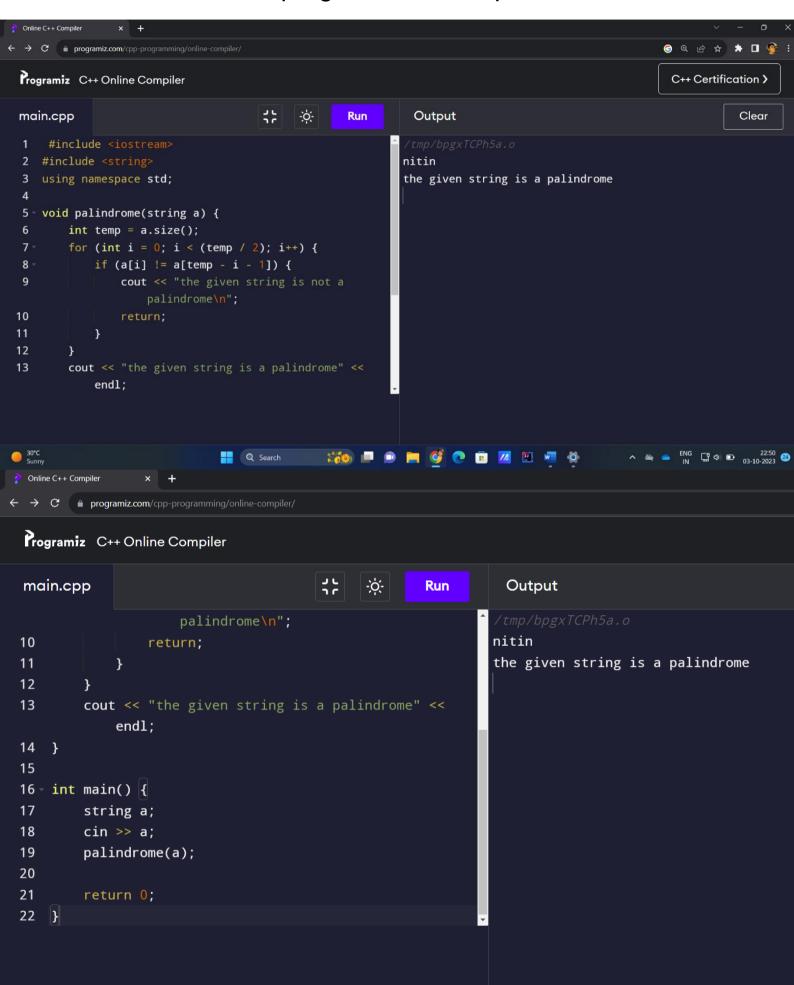


Ques2. Write 1-100 integers in a file named NAMES.TEXT.

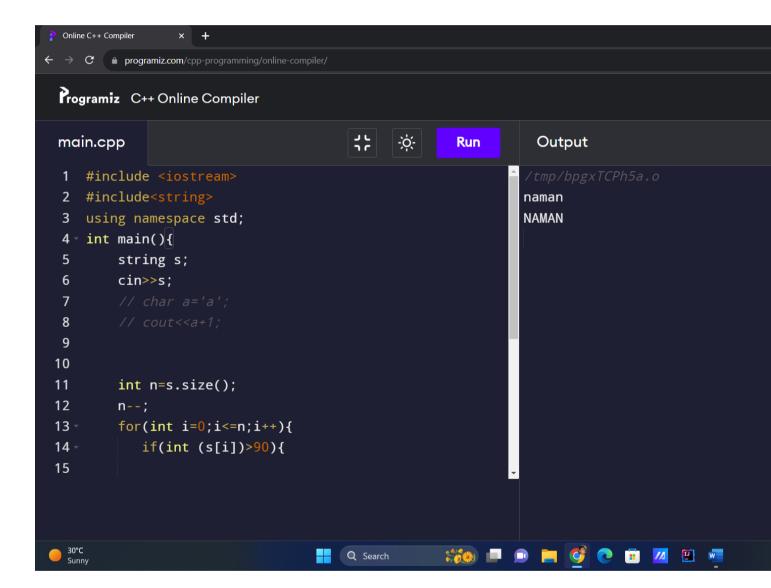


	0	utpu	ıt									Clear
^	/tmp/Hbz5ZCUOUn.o											
	1	2	3	4	5	6	7	8	9	10		
	11	12	13	14	15	16	17	18	19	20		
	21	22	23	24	25	26	27	28	29	30		
L	31	32	33	34	35	36	37	38	39	40		
ı	41	42	43	44	45	46	47	48	49	50		
ı	51	52	53	54	55	56	57	58	59	60		
ı	61	62	63	64	65	66	67	68	69	70		
ı	71	72	73	74	75	76	77	78	79	80		
П	81	82	83	84	85	86	87	88	89	90		
П	91	92	93	94	95	96	97	98	99	100		
ı												
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Ques3. Write a program to check palindrome or no



Ques4. Write a program to convert lowercase to uppercase.



Ques5. Write program to add float and integers.

```
main.cpp
 1 #include<iostream>
 2 using namespace std;
 3 * int sum(int a, int b){
 4 return a+b;
 6 * float sum(float a, float b){
 7 return a+b;
 8 }
 9 * int main(){
10
       int num1 = 7;
11
       int num2 = 12;
12
       float num3 = 2.36;
       float num4 = 6.78;
13
14
15
       cout<<"Sum of integers: "<<sum(num1,num2)<<end1;</pre>
16
       cout<<"Sum of floats: "<<sum(num3,num4)<<endl;</pre>
17 }
                                  Q Search
```

```
Output

/tmp/v8LXNVKXbw.o

Sum of integers: 19

Sum of floats: 9.14
```

Ques6. Write a program to figure out number of positive, negative, odd and even numbers.

