



GROUP 30(SECTION B) PROJECT REPORT

Names and IDs of members
are mentioned on next page

08/03/2021

01

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TOPIC - Four Temperaments Personality Test Using C Language

We will ask you some set of questions where you have to tell how much agree you are with the given statements.

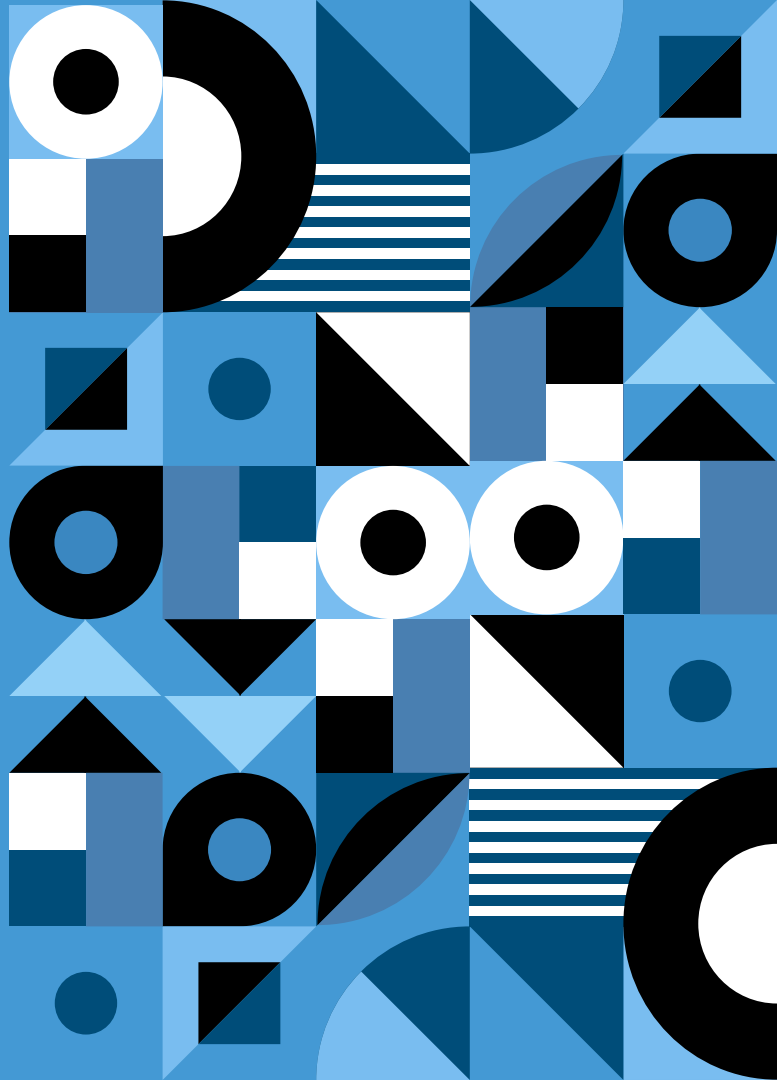
Based on your reactions algorithm will analyze your personality.

01

ABOUT THE PROJECT

A simple and brief idea of the project are mentioned in the next slides.

SECTION 1



Simple and Brief Explanation

The Four Temperaments is an idea of personality that traces its roots to the Ancient Greek medical theory of humourism.

This short test consists of 24 items, 6 for each temperament. The questions are below. Ones that should be reversed scored are marked with (R).

You have to give reactions to these statements by giving integer as an input from 1 to 5, where respective integers means-

Complete Code is provided in the last page.

- 1. IF YOU ARE STRONGLY DISAGREE(1)**
- 2. IF YOU ARE DISAGREE (2)**
- 3. IF YOU ARE NEYTRAL (3)**
- 4. IF YOU ARE AGREE (4)**
- 5. IF YOU ARE STRONGLY AGREE (5)**

For demo throughout I will analyze
my personality (I have indicated
how much I am satisfied with the
given statements)

Questions

CHOLERIC	PHELEGMATIC	MELANCHOLIC	SANGUINE
I try to outdo others. → 4	It takes a lot of abuse to get me angry. → 3	I tend to feel very hopeless. → 4	I radiate joy. → 2
I have a strong need for power. → 5	I am relaxed most of the time. → 1	I feel my anxiety overwhelms me. → 3	I am the life of the party. → 2
I get angry easily. → 4	I seldom get mad. → 3	I feel attacked by others. → 3	I make friends easily. → 2
I like it when people are scared of me. → 2	The good life is a peaceful life. → 4	(R) I feel comfortable with myself. → 5	I prefer variety to routine. → 3
I boss people around. → 1	(R) I have had a dramatic falling out with a friend. → 1	(R) I seldom feel blue. → 4	I make people feel welcome. → 2
(R) I try to please everyone. → 3	(R) I experience my emotions intensely. → 3	(R) I don't care much when people insult me. → 4	I dance when I am alone. → 1

FINAL SCORE AND PERSONALITY

Complete Code is provided on the last page.

CHOLERIC	18/30
PHELEGMA TIC	17/30
MELANCHO LIC	12/30
SANGUINE	12/30

PERSONALITY
OF THE
PERSON(Highe
st one)

Leader,
Confident,
Forceful, Goal
Oriented

Algorithm basically sums the input integers (except the questions which contains R at the end, as it is reversed score) and then displays the grade in the respective category.

4 TEMPERAMENT DESCRIPTIONS



LEADER/CHOLERIC

Leader,
Confident,
Forceful, Goal
Oriented



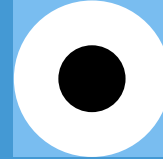
ANALYST/MELANCHOLIC

Artistic, Close
friendships,
Organized,
Analytical



EXPRESSOR/SANGUINE

Outgoing,
Popular, Life of
the party. Lives
for fun



DEPENDABLE/PHLEGMATIC

Easygoing, Gets
along with all,
Balanced, Steady

OUTPUT SCREENSHOT and CODE

Lets Begin.

Here Comes Problem Set 1

```
1. I get angry easily(PLEASE SELECT 1 TO 5 ONLY).
4
2. I have a strong need for power(PLEASE SELECT 1 TO 5 ONLY).
5
3. I try to outdo others(PLEASE SELECT 1 TO 5 ONLY).
4
4. I boss people around(PLEASE SELECT 1 TO 5 ONLY).
1
5. I like it when people are scared of me(PLEASE SELECT 1 TO 5 ONLY).
2
6. I try to please everyone(PLEASE SELECT 1 TO 5 ONLY).
3
```

~~~Your Grade in Set 1 is = 18.000 out of 30.000~~~

\*\*It's Time for Problem Set 2 \*\*

```
1. It takes a lot of abuse to get me angry(PLEASE SELECT 1 TO 5 ONLY).
3
2. I am relaxed most of the time(PLEASE SELECT 1 TO 5 ONLY).
1
3. I seldom get mad(PLEASE SELECT 1 TO 5 ONLY).
3
4. The good life is a peaceful life(PLEASE SELECT 1 TO 5 ONLY).
4
5. I have had a dramatic falling out with a friend(PLEASE SELECT 1 TO 5 ONLY).
1
6. I experience my emotions intensely(PLEASE SELECT 1 TO 5 ONLY).
3
```

~~~Your Grade in Set 2 is = 17.000 out of 30.000~~~

CODE HAS BEEN ATTACHED ON THE LAST PAGE.

OUTPUT SCREENSHOT

****Lets Finsih the final set****

1. I radiate joy.(PLEASE SELECT 1 TO 5 ONLY).
2
2. I am the life of the party.(PLEASE SELECT 1 TO 5 ONLY).
2
3. I make friends easily.(PLEASE SELECT 1 TO 5 ONLY).
2
4. I prefer variety to routine.(PLEASE SELECT 1 TO 5 ONLY).
3
5. I make people feel welcome.(PLEASE SELECT 1 TO 5 ONLY).
2
6. I dance when I am alone.(PLEASE SELECT 1 TO 5 ONLY)
1

~~~Your grade in Set 4 is = 12.000 out of 30.000~~~

\*\*\*\*\*

Your temperament is choleric. The choleric temperament is fundamentally ambitious and leader-like. They have a lot of aggression, energy, and/or passion, and try to instill it in others. They can dominate people of other temperaments, especially phlegmatic types. Many great charismatic military and political figures were choleric. They like to be in charge of everything. However, choleric also tend to be either highly disorganized or highly organized. They do not have in-between setups, only one extreme to another. As well as being leader-like and assertive, choleric also fall into deep and sudden depression. Essentially, they are very much prone to mood swings.

\*\*\*\*\*

## FINAL OUTPUT

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# MODE OF COMMUNICATION

---



VS CODE LIVE SHARING EXTENSION



WHATSAPP



VIDEO CALL & GOOGLE MEET

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## CONCLUSIONS

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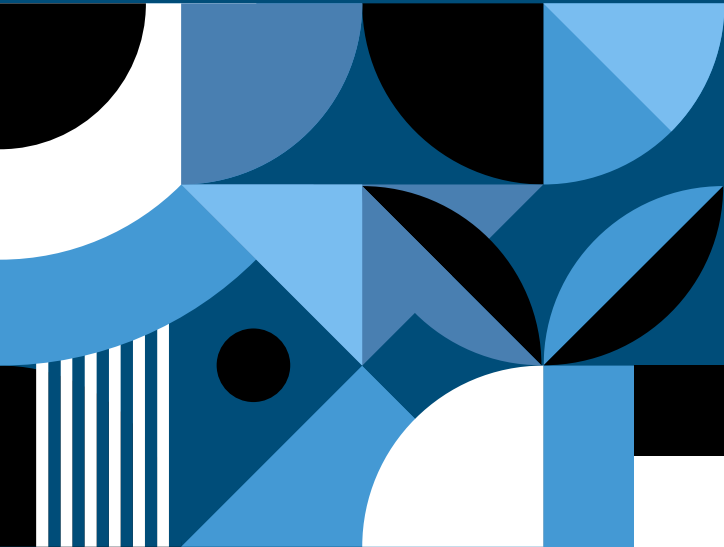
**So, in a nutshell we asked users a set of 24 questions and they reacted to the given statement/questions using integers(1-5) and the system then tells the personality of the user with the help of a simple algorithm. THIS TEST IS CALLED 4 TEMPRAMENT PERSONALITY TEST.**



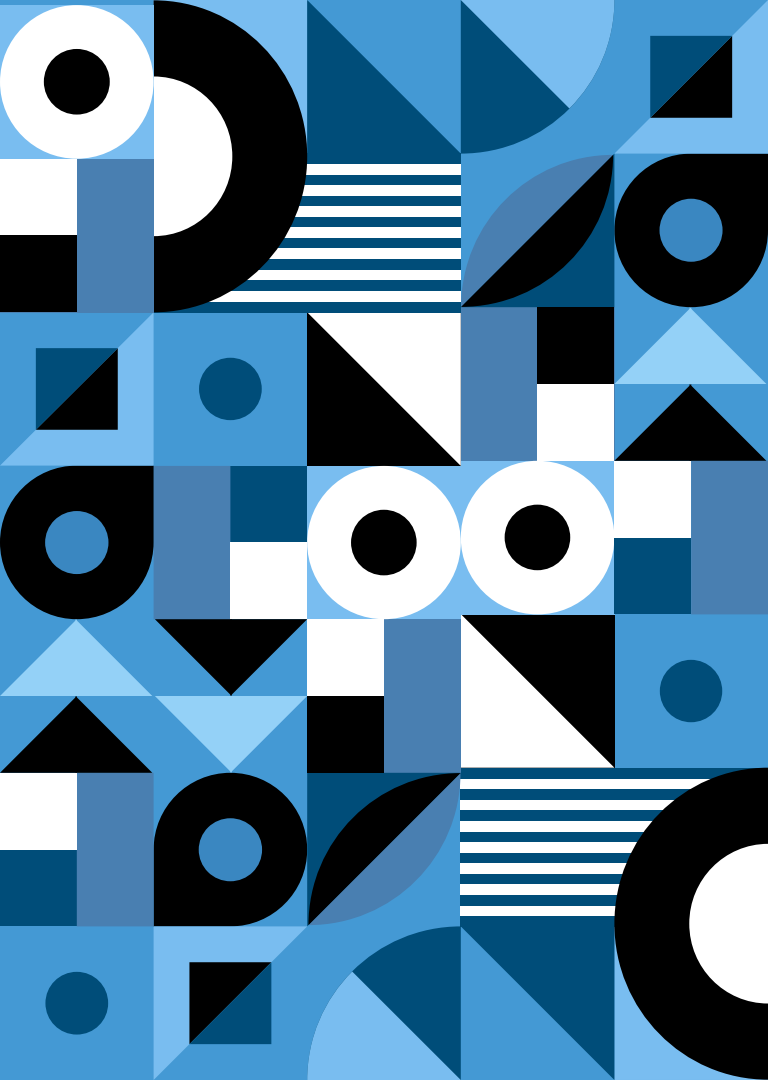
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# REFERENCES

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- Development of the OSPP Four Temperaments Test  
([openpsychometrics.org](https://openpsychometrics.org))
- YOUTUBE VIDEO -  
<https://www.youtube.com/watch?v=yBasnNcIE38>
- Slidesgo for templates of the presentation.



THANKS

# THANKS!

**GROUP 30 (SECTION B)**

CREDITS: This presentation template was created by Slidesgo, including icons by Flaticon, and infographics & images by Freepik.

**PLEASE KEEP THIS SLIDE FOR ATTRIBUTION.**

//THIS CODE WILL WORK ONLY IN VS CODE IDE (IN WINDOWS), OTHER CODE WHICH IS COMPATIBLE WITH BOTH ONLINE AND OTHER IDE ARE ATTACHED AFTER THIS CODE//

```
#include <stdio.h>
#include <stdlib.h>
#include <windows.h>
#include <conio.h>

int Choleric(int, int, int, int, int, int);
int Phelegmatic(int, int, int, int, int, int);
int Melancholic(int, int, int, int, int, int);
int Sanguine(int, int, int, int, int, int);
int check(float);
int sleep();

int main()
{
    system ("cls");
    system("COLOR F0");
    printf ("\n\n");

    for (int i=0;i<182;i++)
    {
        Sleep (50);
        printf ("%c", 219);
    }

    Beep (200,300);
    Beep (200,50);
    Beep (300,200);
    Beep (200,200);
    Beep (500,500);
    Beep (200,300);
    Beep (200,50);
    Beep (300,200);
    Beep (200,200);
    Beep (500,500);
    Beep (200,300);
    Beep (200,50);
    Beep (300,200);
    Beep (200,200);
    Beep (500,500);
    Beep (200,300);
    Beep (200,50);
    Beep (300,200);
    Beep (200,200);
```

[illegible]



```
if(check(QC1))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto C1;
}

printf("\n\t2. I have a strong need for power(PLEASE SELECT 1 TO 5 ONLY).\n");
C2:
printf("\t");scanf("\t%f", &QC2);
if(check(QC2))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto C2;
}

printf("\n\t3. I try to outdo others(PLEASE SELECT 1 TO 5 ONLY).\n");
C3:
printf("\t");scanf("\t%f", &QC3);
if(check(QC3))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto C3;
}

printf("\n\t4. I boss people around(PLEASE SELECT 1 TO 5 ONLY).\n");
C4:
printf("\t");scanf("\t%f", &QC4);
if(check(QC4))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto C4;
}
```

[illegible]

```
if(check(QP1))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto P1;
}

printf("\n\t2. I am relaxed most of the time(PLEASE SELECT 1 TO 5 ONLY).\n");
P2:
printf("\t");scanf("\t%f", &QP2);
if(check(QP2))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto P2;
}

printf("\n\t3. I seldom get mad(PLEASE SELECT 1 TO 5 ONLY).\n");
P3:
printf("\t");scanf("\t%f", &QP3);
if(check(QP3))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto P3;
}

printf("\n\t4. The good life is a peaceful life(PLEASE SELECT 1 TO 5 ONLY).\n");
P4:
printf("\t");scanf("\t%f", &QP4);
if(check(QP4))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto P4;
}
```

```
printf("\n\t5. I have had a dramatic falling out with a friend(PLEASE SELECT 1 TO 5 ONLY).\n");  
P5:  
printf("\t");scanf("%f", &QP5);  
if(check(QP5))  
{  
    printf("\tInvalid Input,Enter Again:\n");  
    for (int x = 0; x < 2; x++)  
    {  
        Beep(111,800);  
    }  
    goto P5;  
}  
  
printf("\n\t6. I experience my emotions intensely(PLEASE SELECT 1 TO 5 ONLY).\n");  
P6:  
printf("\t");scanf("%f", &QP6);  
if(check(QP6))  
{  
    printf("\tInvalid Input,Enter Again:\n");  
    for (int x = 0; x < 2; x++)  
    {  
        Beep(111,800);  
    }  
    goto P6;  
}  
  
printf("\n\n");  
  
for (int i=0;i<182;i++)  
{  
    Sleep (50);  
    printf ("%c", 219);  
}  
  
float grade2 = Phelegmatic(QP1,QP2,QP3,QP4,QP5,QP6);  
printf("\t\t\t\t\t\t\t\t\t\t~Your Grade in Set 2 is = %0.3f out of 30.000~~~\n\n  
\n\n", grade2);  
  
printf("\t\t\t\t\t\t\t\t\t\t***Lets go for Problem set 3 ***\n\n");  
  
printf("\n\t1. I tend to feel very hopeless(PLEASE SELECT 1 TO 5 ONLY).\n");  
M1:  
printf("\t");scanf("%f", &QM1);  
if(check(QM1))  
{
```

```
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto M1;
}
```

```
printf("\n\t2. I feel my anxiety overwhelms me(PLEASE SELECT 1 TO 5 ONLY).\n");
M2:
printf("\t");scanf("\t%f", &QM2);
if(check(QM2))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto M2;
}
```

```
printf("\n\t3. I feel attacked by others(PLEASE SELECT 1 TO 5 ONLY).\n");
M3:
printf("\t");scanf("\t%f", &QM3);
if(check(QM3))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto M3;
}
```

```
printf("\n\t4. I feel comfortable with myself(PLEASE SELECT 1 TO 5 ONLY).\n");
M4:
printf("\t");scanf("\t%f", &QM4);
if(check(QM4))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto M4;
}
```

```
printf("\n\t5. I seldom feel blue(PLEASE SELECT 1 TO 5 ONLY).\n");
M5:
```

```
printf("\t");scanf("\t%f", &QM5);
if(check(QM5))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto M5;
}

printf("\n\t6. I don't care much when people insult me(PLEASE SELECT 1 TO 5 ONLY).\n"
);
M6:
printf("\t");scanf("\t%f", &QM6);
if(check(QM6))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto M6;
}

printf("\n\n");

for (int i=0;i<182;i++)
{
    Sleep (50);
    printf ("%c", 219);
}

float grade3 = Melancholic(QM1,QM2,QM3,QM4,QM5,QM6);
printf("\t\t\t\t\t\t\t~~~Your grade in Set 3 is = %0.3f out of 30.000~~~\n\n
\n\n", grade3);

printf("\t\t\t\t\t\t\t**Lets Finsih the final set**\n\n");


printf("\n\t1. I radiate joy.(PLEASE SELECT 1 TO 5 ONLY).\n");
S1:
printf("\t");scanf("\t%f", &QS1);
if(check(QS1))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
```

```

    }
    goto S1;
}

printf("\n\t2. I am the life of the party.(PLEASE SELECT 1 TO 5 ONLY).\n");
S2:
printf("\t");scanf("\t%f", &QS2);
if(check(QS2))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto S2;
}

printf("\n\t3. I make friends easily.(PLEASE SELECT 1 TO 5 ONLY).\n");
S3:
printf("\t");scanf("\t%f", &QS3);
if(check(QS3))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto S3;
}

printf("\n\t4. I prefer variety to routine.(PLEASE SELECT 1 TO 5 ONLY).\n");
S4:
printf("\t");scanf("\t%f", &QS4);
if(check(QS4))
{
    printf("\tInvalid Input,Enter Again:\n");
    for (int x = 0; x < 2; x++)
    {
        Beep(111,800);
    }
    goto S4;
}

printf("\n\t5. I make people feel welcome.(PLEASE SELECT 1 TO 5 ONLY).\n");
S5:
printf("\t");scanf("\t%f", &QS5);
if(check(QS5))
{

```

[illegible]



[illegible]

```

}

int Melancholic(int QM1, int QM2, int QM3, int QM4, int QM5, int QM6)
{
    float Melancholic_sum = QM1+QM2+QM3+(5-QM4)+(5-QM5)+(5-QM6);
    return(Melancholic_sum);
}

int Sanguine(int QS1, int QS2, int QS3, int QS4, int QS5, int QS6)
{
    float Sanguine_sum = QS1+QS2+QS3+QS4+QS5+QS6;
    return(Sanguine_sum);
}

int check(float n)
{
    if(!((n<=5.000)&&(n>=1.000)))
    {
        return 1;
    }
    else
    {
        return 0;
    }
}

```

GIVEN BELOW CODE IS COMPATIBLE WITH BOTH ONLINE AND OTHER IDE

```
#include <stdio.h>
#include <stdlib.h>
#include <conio.h>

int Choleric(int, int, int, int, int, int);
int Phelegmatic(int, int, int, int, int, int);
int Melancholic(int, int, int, int, int, int);
int Sanguine(int, int, int, int, int, int);
int check(float);

int main()
{
    system("clear");

    printf("\t\t\t\t\t Welcome to my mini project"
"\n\t\t\t\t\t In this program, I am going to ask some questions from you"
"\n\t\t\t\t\t and for each question you have to input respective integers"
"\n\t\t\t\t\t Based on the answers i will analyze your personality by assigning your score in some categories"
"\n\t\t\t\t\t So, Fasten your seat belts and get ready for this interesting p
ersonality test.");

    printf("\n\n\n\t\t\t\t\t First question coming in");
```

[illegible]

[illegible]

[illegible]

[illegible]

```

    {
        printf("\a\a\a\a\a\a");
    }
    goto M1;
}

printf("\n\t2. I feel my anxiety overwhelms me(PLEASE SELECT 1 TO 5 integers ONLY).\n");
M2:
printf("\t");scanf("\t%f", &QM2);
if(check(QM2))
{
    printf("\tInvalid Input,Enter Again:\n");
    {
        printf("\a\a\a\a\a\a");
    }
    goto M2;
}

printf("\n\t3. I feel attacked by others(PLEASE SELECT 1 TO 5 integers ONLY).\n");
M3:
printf("\t");scanf("\t%f", &QM3);
if(check(QM3))
{
    printf("\tInvalid Input,Enter Again:\n");
    {
        printf("\a\a\a\a\a\a");
    }
    goto M3;
}

printf("\n\t4. I feel comfortable with myself(PLEASE SELECT 1 TO 5 integers only ONLY).\n");
M4:
printf("\t");scanf("\t%f", &QM4);
if(check(QM4))
{
    printf("\tInvalid Input,Enter Again:\n");
    {
        printf("\a\a\a\a\a\a");
    }
    goto M4;
}

printf("\n\t5. I seldom feel blue(PLEASE SELECT 1 TO 5 integers ONLY).\n");
M5:
printf("\t");scanf("\t%f", &QM5);
if(check(QM5))
{

```

[illegible]



```
    {  
        printf("\a\a\a\a\a");  
    }  
    goto S2;  
}
```

```
printf("\n\t3. I make friends easily.(PLEASE SELECT 1 TO 5 integers ONLY).\n");  
S3:  
printf("\t");scanf("\t%f", &QS3);  
if(check(QS3))  
{  
    printf("\tInvalid Input,Enter Again:\n");  
    {  
        printf("\a\a\a\a\a");  
    }  
    goto S3;  
}
```

```
printf("\n\t4. I prefer variety to routine.(PLEASE SELECT 1 TO 5 integers ONLY).\n");  
S4:  
printf("\t");scanf("\t%f", &QS4);  
if(check(QS4))  
{  
    printf("\tInvalid Input,Enter Again:\n");  
    {  
        printf("\a\a\a\a\a");  
    }  
    goto S4;  
}
```

```
printf("\n\t5. I make people feel welcome.(PLEASE SELECT 1 TO 5 integers ONLY).\n");  
S5:  
printf("\t");scanf("\t%f", &QS5);  
if(check(QS5))  
{  
    printf("\tInvalid Input,Enter Again:\n");  
    {  
        printf("\a\a\a\a\a");  
    }  
    goto S5;  
}
```

```
printf("\n\t6. I dance when I am alone.(PLEASE SELECT 1 TO 5 integers ONLY)\n");  
S6:  
printf("\t");scanf("\t%f", &QS6);  
if(check(QS6))  
{
```

```
printf("\tInvalid Input,Enter Again:\n");  
{  
    printf("\a\a\a\a\a\n");  
}  
goto S6;  
}  
  
float grade4 = Sanguine(QS1,QS2,QS3,QS4,QS5,QS6);  
printf("\t\t\t\t\t\t\t~~~Your grade in Set 4 is = %.3f out of 30.000~~~\n\n\n", grade4);  
  
printf("\t\t\t*****\n");  
  
if(grade1>grade2 && grade1>grade3 && grade1>grade4)  
printf("\t\t\t\t\t\t\tYour temperament is choleric. The choleric temperament is fund  
amentally ambitious and leader-  
like.\n \t\t\t\t\t\t\t They have a lot of aggression, energy, and/or passion, and try t  
o instill it in others.\n\t\t\t\t\t\t\t They can dominate people of other temperaments,  
especially phlegmatic types.\n\t\t\t\t\t\t\t Many great charismatic military and politi  
cal figures were choleric.\n\t\t\t\t\t\t\t They like to be in charge of everythin  
g.\n\t\t\t\t\t\t\t However, cholercics also tend to be either highly disorganized or hig  
hly organized.\n\t\t\t\t\t\t\t They do not have in-  
between setups, only one extreme to another. \n\t\t\t\t\t\t\t As well as being lea  
der-  
like and assertive,\n\t\t\t\t\t\t\t cholercics also fall into deep and sudden depressio  
on. \n\t\t\t\t\t\t\t Essentially,they are very much prone to mood swings.", grade1);  
else if(grade2>grade1 && grade2>grade3 && grade2>grade4)  
printf("\t\t\t\t\t Your temperament is phlegmatic.The phlegmatic temperament is  
fundamentally relaxed and quiet,\n \t\t\t\t\t ranging from warmly attentive to lazily slugg  
ish. Phlegmatics tend to be content with themselves and are kind.\n\t\t\t\t\t They are accep  
ting and affectionate. They may be receptive and shy and often prefer stability to uncerta  
inty and change.\n\t\t\t\t\tThey are consistent, relaxed, calm, rational, curious, and obser  
vant, qualities that make them good administrators. \n\t\t\t\t\t\t\t They can also be p  
assive-aggressive.", grade2);  
else if(grade3>grade1 && grade3>grade2 && grade3>grade4)  
printf("\t\t\t\t\tYour temperament is melancholic. The melancholic temperament is fu  
ndamentally introverted and thoughtful.\n \t\t\t\t\t\t\t Melancholic people often were perc  
eived as very (or overly) pondering and considerate,\n \t\t\t\t\t\t\t getting rather w  
orried when they could not be on time for events.\n\t\t\t\t\t\t\t Melancholics can be  
highly creative in activities such as poetry and art \n\t\t\t\t\t\t\t and can become pr  
eoccupied with the tragedy and cruelty in the world. \n\t\t\t\t\t\t\t Often they are perfecti  
onists. They are self-  
reliant and independent; one negative part of being a \n\t\t\t\t\t\t\t melancholic is that th  
ey can get so involved in what they are doing they forget to think of others.", grade3);  
else if(grade4>grade1 && grade4>grade2 && grade4>grade3)  
printf("\t\t\t\t\t Your temperament is sanguine. The sanguine temperament is funda  
mentally spontaneous and pleasure-  
seeking;\n\t\t\t\t\t\t\t sanguine people are sociable and charismatic. They tend to enjoy so  
cial gatherings,\n\t\t\t\t\t\t\t making new friends and tend to be boisterous. They are usua  
lly quite creative and often daydream.\n\t\t\t\t\t\t\t However,some alone time is crucia
```

[illegible]

```
{  
    return 0;  
}
```