ข้อ 1

```cpp
#include <iostream>
#include <string>
using namespace std;
int main()
{
    int grade;

    cout <<"Plese enter score :" << endl;
    cin >> grade;
    if (grade >=80)

    {
        cout << "A"<< endl;
    }
    else if(grade>=70)
    {
        cout << "B" << endl;
    }
    else if (grade>=60)
    {
        cout<< "C"<< endl;
    }
    else if (grade>=50)
    {
        cout <<"D"<< endl;
    }
    else
    {
        cout << "F"<< endl;
    }
    return(0);
}
```

ผลลัพธ์

```
A
PS C:\Users\USER\Desktop\สอบภาษาc++> cd "c:\Users\USER\Desktop\สอบภาษาc++\" ; if ($?) { g++ grade1.cpp -o grade1 } ; if ($?) { .\grade1 }
Plese enter score :
80
A
PS C:\Users\USER\Desktop\สอบภาษาc++>
```

ข้อ 1.2

```cpp
#include <iostream>
#include <string>
using namespace std;
int main()
{
    int grade, P=20, M=30,F=50;

    cout << "Plese enter score Project:"<<endl;
    cin >> P;
    cout << "Plese enter score Midterm:"<<endl;
    cin >> M;
    cout << "Plese enter score Final:"<<endl;
    cin >> F;
    if (P > 20 || P < 0)
    {
        cout << "Error Project Score :"<< endl;
    }
    if (M > 30 || M < 0)
    {
        cout << "Error Midterm Score"<< endl;
    }
    if (F > 50 || F < 0 )
    {
        cout << "Error Final Score"<< endl;
    }

    grade = P + M + F;
    cout << "Total Score" << grade << endl;
```

```cpp
    grade = P + M + F;
    cout << "Total Score" << grade << endl;
    if (grade >=80)

    {
        cout << "Grade A"<< endl;
    }
    else if (grade >= 70)
    {
        cout << "Grade B"<< endl;
    }
    else if (grade >= 60)
    {
        cout <<" Grade C"<< endl;
    }
    else if (grade >= 50)
    {
        cout <<"Grade D"<< endl;
    }
    else
    {
        cout <<"Grade F"<< endl;
    }
    return(0);
}
```

```
PS D:\vsc++> cd "c:\Users\USER\Desktop\สอบภาษาc++\" ; if ($?) { g++ grade1-2.cpp -o grade1-2 } ; if ($?) { .\grade1-2 }
Plese enter score Project:
15
Plese enter score Midterm:
15
Plese enter score Final:
25
Total Score55
Grade D
PS C:\Users\USER\Desktop\สอบภาษาc++>
```

ข้อ 1.3

C: > Users > USER > Desktop > สอบภาษาc++ > grede1-3.cpp > ...

```cpp
1  #include <iostream>
2  #include <string>
3  using namespace std;
4  int main()
5  {
6      int grade, P=20, M=30,F=50;
7      for (int i=1; i<=3; i++)
8    {
9      cout << "Plese enter score Project:"<<endl;
10     cin >> P;
11     cout << "Plese enter score Midterm:"<<endl;
12     cin >> M;
13     cout << "Plese enter score Final:"<<endl;
14     cin >> F;
15     {
16     if (P > 20 || P < 0)
17     {
18         cout << "Error Project Score :"<< endl;
19     }
20     if (M > 30 || M < 0)
21     {
22         cout << "Error Midterm Score"<< endl;
23     }
24     if (F > 50 || F < 0 )
25     {
26         cout << "Error Final Score"<< endl;
27     }
28
```

```cpp
9      grade = P + M + F;
0      cout << "Total Score" << grade << endl;
1      if (grade >=80)
2
3      {
4          cout << "Grade A"<< endl;
5      }
6      else if (grade >= 70)
7      {
8          cout << "Grade B"<< endl;
9      }
0      else if (grade >= 60)
1      {
2          cout <<" Grade C"<< endl;
3      }
4      else if (grade >= 50)
5      {
6          cout <<"Grade D"<< endl;
7      }
8      else
9      {
0          cout <<"Grade F"<< endl;
1      }
2      return(0);
3      }
4      }
5  }
```

```
Plese enter score Project :
20
Plese enter score Midterm :
30
Plese enter score Final :
25
Total Score75
Grade B
Plese enter score Project :
15
Plese enter score Midterm :
25
Plese enter score Final :
25
Total Score65
Grade C
Plese enter score Project :
25
Plese enter score Midterm :
30
Plese enter score Final :
15
Error Project Score :
Total Score70
Grade B
```

ข้อ 2

```cpp
#include <iostream>
#include <cmath>
using namespace std;
int main()
{
    float circum,pi=3.14,r,area;
    double volume;
    int n=0;

    cout <<"Enter the number of radious : ";
    cin >> r;
    cout << "1.Calcuate the circumference of circle "<< endl ;
    cout << "1.Calcuate the area of circle "<< endl ;
    cout << "1.Calcuate the volume of phere "<< endl ;

    cout << "Enter the choice:";
    cin >> n;

    switch (n)
    {
     case 1 :
        circum = 2.0*pi*r;
        cout << "circum of circle : "<< circum;
        break;
      case 2:
        area=pi*pow(r,2);
        cout << "area of circle :"<< area;
      case 3 :
        volume= (4.0/3.0)*pi*pow(r,3);
        cout << "volume of circle :"<< volume;
        break;
```

```cpp
    default:
      break;
    }
}
```

```
PS D:\vsc++> cd "c:\Users\USER\Desktop\สอบทหารc++\" ; if ($?) { g++ radious.cpp -o radious } ; if ($?) { .\radious }
Enter the number of radious : 10
1.Calcuate the circumference of circle
1.Calcuate the area of circle
1.Calcuate the volume of phere
Enter the choice:3
volume of circle :4186.67
PS C:\Users\USER\Desktop\สอบทหารc++>
```

ข้อ3

```cpp
#include <iostream>
using namespace std;
int main()
{
    int n;
    cout <<"Enter your number:";
    cin >> n;
    for (int i=1; i<=n ; i++)
    {
        if (i%10==0)
        {
            cout << i <<"\n";
        }
        else{
            cout << i << "\t";
        }
    }
}
```

```
Enter your number:100
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
31      32      33      34      35      36      37      38      39      40
41      42      43      44      45      46      47      48      49      50
51      52      53      54      55      56      57      58      59      60
61      62      63      64      65      66      67      68      69      70
71      72      73      74      75      76      77      78      79      80
81      82      83      84      85      86      87      88      89      90
91      92      93      94      95      96      97      98      99      100
PS C:\Users\USER\Desktop\สอนภาษาc++>
```