

Prob 1: Write a program that takes an integer, then a string, then a char from the user and prints them in the screen

Input: 2 Name y

Expected Output:

2

Name

y

```
#include <iostream>
using namespace std;
int main () {
    int a;
    string word;
    char letter;
    cin >> a;
    cin >> word;
    cin >> letter;
    cout << a << endl;
    cout << word << endl;
    cout << letter << endl;
    import return 0;
}
```

Problem - 2:

Write a program to check whether a triangle can be formed with the given values for the angles

Input

45 45 45

Expected output: Triangle cannot be formed.

```
#include <iostream>
using namespace std;
int main () {
    int a;
    int b;
    int c;
    cin >> a >> b >> c;
    cin >> b;
    cin >> c;
    if (a+b+c==180) {
        cout << "Triangle can be formed" << endl;
    }
    else {
        cout << "Triangle cannot be formed" << endl;
    }
    return 0;
}
```

~~#include <~~

Problem 3 :-

Given mark of student, Print the Grade

Grade A if mark ≥ 90

Grade B if mark ≥ 80

Grade C if mark ≥ 60

Grade D if mark ≥ 35

Fail if mark is < 35

Input : 95

Expected Output

Grade A

```

#include <iostream>
using namespace std;
int main() {
    int mark;
    if (mark >= 90) {
        cout << "Grade A" << endl;
    } else if (mark >= 80) {
        cout << "Grade B" << endl;
    } else if (mark >= 60) {
        cout << "Grade C" << endl;
    } else if (mark >= 35) {
        cout << "Grade D" << endl;
    } else {
        cout << "Fail" << endl;
    }
    return 0;
}

```

Problem 4:-

Write a program using switch case which takes a value and print the respective size. If size is 29 then its small. If size is 30 then its Medium. If size is 38 then its Large. If size is 42 then its XLarge. If size is not any of the above then Invalid.

```
#include <iostream>
using namespace std;
int main() {
    int size;
    cin >> size;
    switch (size) {
        case 29:
            cout << "It's small" << endl;
            break;
        case 30:
            cout << "It's medium" << endl;
            break;
        case 38:
            cout << "It's large" << endl;
            break;
        case 42:
            cout << "It's Xlarge" << endl;
            break;
        default:
            cout << "Invalid" << endl;
            break;
    }
    return 0;
}
```

Problem set 2

Problem - 1

Write a program which takes two values x and y . Print x for y number of times.

Input

2

3

Output

2

2

2

```
#include <iostream>
using namespace std;
int main () {
    int x,y;
    cin >> x >> y;
    cout << x << endl;
    cout << y << endl;
    for (int i=0; i<y; i++) {
        cout << x << endl;
    }
    return 0;
}
```

Prob 2:

Write a program to take x and
print multiples of x till 1000

Input

100

5

Expect. Output-

100

200

300

400

500

600

700

800

900

1000

Set - 2

Problem - 2

```
#include <iostream>
using namespace std;
int main() {
    int x;
    cin >> x;
    for( int i = 0; i <= 1000; i += x)
        cout << i << endl;
    return 0;
}
```

Problem - 3

Write a program to get first Name and last Name and n as input and print full Name that is first Name + last Name for n times.

Input

Nandy
Raja
5

5

Expected Output

Nandy Raja

Nandy Raja

67 11

10 C1

V _____ H

```
#include <iostream>
```

```
using namespace std;
```

int main () {

string firstName;

```
string LastName; int n;  
cin >> firstName >>
```

~~cinematograph~~

~~cont~~ 11 first Name + last Name is end¹:

```
for (int i=0; i<n; i++)
```

```
for (int i = 0, i < n, i++)  
    cout << firstName + lastName << endl;  
}
```

return 0;

3