# Print the oldest among three

```
Scanner s = new Scanner(System.in);
int A = s.nextInt();
int B = s.nextInt();
int C = s.nextInt();

if(A > B && A > C){
    System.out.println("A");
}
else if(B > A && B > C){
    System.out.println("B");
}
else{
    System.out.println("C");
}
```

```
(20710 KD 20715)
7
```

Nested y-else -> y-else within 'y-else. -else & -sodd - y (condition) { >1 00 (conditions) {

1) Star

2 Cy (condition) {
11sta
2 7150 Close of (conditions) {

1) State

3 ruse of (condi){ L // Statement Clse ?

11 Statement

} relse {
//sta.

## Rich Adult Young

gge 3 61 gal 3 1000

### Print final z

```
Scanner s = new Scanner(System.in);
    int x = s.nextInt();
    int y = s.nextInt();
    int z = s.nextInt();
                          (107,20)C
(10 < 20) T
(20 7, 100) f
(20 7, 100) per (20 7, 60) sp
(20 1, 100)
```

```
if(x >= 20){
        System.out.println(z);
    else if(y < 100 && y >= 50){
        z += 50;
        System.out.println(z);
        z += 10;
        System.out.println(z);
else if(x < 20){
   \neg if(y >= 100){
        System.out.println(z);
   else if(y < 100 && y >= 50){
        System.out.println(z);
        System.out.println(z);
```

```
·4 (S>922S(J)|| (S<9e2S)J)
 Grawran - 22 24
                             Usig (G>SAAG(I) 11 (G<S&26XI)
9-23
                                                               6-725
                            Scanner s = new Scanner(System.in);
                                                              L 727
                            int a = s.nextInt();
                            int b = s.nextInt();
   runner up 3
                            int c = s.nextInt();
                           rif((a > b && a < c) || (a < b && a > c)){
                              System.out.println(a);
                           -else if((b > a && b < c) || (b < a && b > c)){
                                                             25723 2025 < 27
                               System.out.println(b);
                               System.out.println(c);
```

### Print z and x divisible by 3

```
int x, y,z;
if(x \% 3==0){
    if(y >= 200){
        z += 10;
    else if(y >= 100 \&\& y < 200){
        z+=5;
    else if(y >= 50 \& y < 100){
        z+=4;
    else if(y <50){
        z+=1;
else{
    if(y >= 200){
        z+=3;
    else if(y >= 100 \&\& y < 200){
        z+=2;
    else if(y <100){
        z+=1;
z+=10;
Syso(z);
```

the end we add to to the value of a again, so now the value of a becomes as.

```
Suitch Statement - alternate of 4-else.
Drawback: com check one condition at a time.
Syntane Smitch (condition) {
       Case 1:
         sysol );
          buck;
                                       (optional)
      Casco :
         11State
                                    defaut:
          brisk;
                                     11stat
      Case 3:
11 State
                                      break;
          break;
```

```
class HelloWorld {
     public static void main(String[] args) {
         int i = 5;
         switch(i){
             case 1:
                System.out.println("a");
                break;
             case 2:
                 System.out.println("b");
                    break;
            case 3:
                     System.out.println("c");
                     break;
            case 4:
                     System.out.println("d");
                     break;
             default:
             System.out.println("e");
             break;
```

```
Output
java -cp .
e
```

characters 3 single entity. alphabets, runbers, special charactet. (a', 1z', m, 1), (7), (6), (+), (9) ik, all natid. (10), (qua), (+1") - not valid always written in single inverted commas. Cheracter if

char ch = s. nevet(). chert (0); > M



#### Grade the student-2

```
Scanner s = new Scanner(System.in);
char ch = s.next().charAt(0);
switch(ch){
    case 'A':
        System.out.println("Excellent!");
        break;
    case 'B':
        System.out.println("Well done!");
        break;
    case 'C':
         System.out.println("You passed!");
        break;
    case 'F':
         System.out.println("Better luck next time!");
        break;
    default:
         System.out.println("Invalid grade");
        break;
}
```