1. class C {

```
public static void main(String[] args) {

int i1=1;

switch(i1){

case 1:

System.out.println("one");

case 2:

System.out.println("two");

case 3:

System.out.println("three");

}}}
```

What is the result of attempting to compile and run the program?

Result:1

2. A signed data type has an equal number of non-zero positive and negative values available(say yes/no) if yes why?

   ANSWER:NO

3.
```
class C{
public static void main (String[] args) {
byte b1=33;              //1
b1++;                   //2
byte b2=55;              //3
b2=b1+1;                //4
System.out.println(b1+""+b2);
}}
```

   ANSWER :: COMPILE TIME ERROR because of INCOMPATIBLE TYPES

4.
```
class C {
public static void main(String[] args) {
  boolean b1;
  b1=3<4<5;               //1
  System.out.println(b1);  //2
}}
```

   ANSWER: compile time error

5. 3<4<5 evaulates to true<5 -->it's a wrong expression so it results in compiletime error

6.
```
class C {
public static void main(String[] args) {
   char  c1=65;
  switch(c1){
      case 'A':
            System.out.println("one");
       default:
            System.out.println("two");
     case 'b':
            System.out.println("three");
```

}}}

ANSWER: one two three

7.

```
class C{
 public static void main(String a[])      {
  int i1=9;
  int i2;
    if(i1>3) {
        i2=8;
     }
   System.out.println(i2);
}}
```

ANSWER:8

8. When a byte is added to a char, what is the type of the result?
   WE CAN ADD A BYTE TO CHAR BECAUSE OF INCOMPATIBLE DATA TYPES
9.
```
class C{
        public static void main(String args[]) {
        int a = 1;
        a += ++a + a++;
        System.out.print(a);
        }}
```
   ANSWER:5

10.
```
class C {

public static void main(String[] args) {

 int x=2;

 int y=3;

   if((y==x++)|(x<++y)){

        System.out.println(x+""+y);

       }

}}
```

ANSWER:34