1. A java program to print Hello World

2. A java program of if_else

3. A java program of nested_if_else

4. A java program of if_else_if

5. A java program of swich_case

6. A java program of user_input

7. A java program of while_loop

8. A java program of for_loop

9. A java program of do_while_loop

10. A java program of continue statement

11. A java proram of using break statement

12. A java program of using bitwise_or operator

13. A java program of using bitwise_and operator

14. A java program of uing bitwise_xor operator

1. //Print Hello World in java

```
public class hello_world
{
   public static void main(String arg[])
   {
      System.out.println("Hello World!");
   }
}
```

2. // A program to implement if_else_if

```
class if_else_if{
   public static void main(String arg[]){
      int i = 10;
```

```
        if(i % 3 == 0 ){
            System.out.println("Result: "+(i));
        }
        else if(i % 6 == 0){
            System.out.println("Result: "+(i));
        }
        else if(i % 5 == 0){
            System.out.println("Result: "+(i));
        }
        else{
            System.out.println("Not found");
        }
    }
}
```

3. // A program of using nested_if_else

```
class nested_if_else{

    public static void main(String arg[]){
        int i = 2;
        if(i % 2 == 0){
            if(i % 1 == 0){
                System.out.println("Done");
            }
            else{
                System.out.println("Not Done");
            }
        }
        else{
```

```
            System.out.println("Invalid");
        }
    }
}
```

4. // A program to implement if_else_if

```
class if_else_if{
    public static void main(String arg[]){
        int i = 10;
        if(i % 3 == 0 ){
            System.out.println("Result: "+(i));
        }
        else if(i % 6 == 0){
            System.out.println("Result: "+(i));
        }
        else if(i % 5 == 0){
            System.out.println("Result: "+(i));
        }
        else{
            System.out.println("Not found");
        }
    }
}
```

5. // A program to implement swich case

```
class switch_case{
    public static void main(String arg[]){
        int ch = 3;
```

```
        switch(ch){
           case 1:{
              System.out.println("Sunday");
              break;
           }
           case 2:{
              System.out.println("Monday");
              break;
           }
           case 3:{
              System.out.println("Tuesday");
              break;
           }
           case 4:{
              System.out.println("Wednesday");
              break;
           }
           default :{
              System.out.println("Invalid choose");
           }
        }
     }
}
```

6. // A program for ading two integer number through user input

```
import java.util.Scanner;
class user_input{
   public static void main(String arg[]){
      Scanner sc = new Scanner(System.in);
```

```
        int x, y;
        System.out.println("Program to add two number ");
        System.out.println("Enter the 1st no.: ");
        x = sc.nextInt();
        System.out.println("Enter the 2nd no. : ");
        y = sc.nextInt();
        System.out.println("Result : " + (x + y));
    }
}
```

7.
```
class while_loop {
    public static void main(String ag[]) {
        int i = 0;


        while(i<10){
            System.out.println("Result : "+ i);
            i++;
        }
    }
}
```

8.
```
// A program to impliment for loop
class for_loop {
    public static void main(String arg[]){
        for(int i = 0; i<10; i++){
            System.out.println("Hello java ");
        }
```

```
    }
}
```

9. // A program to impliment do while loop

```
class do_while_loop {
    public static void main(String arg[]){
        int i = 0, t = 0;

        do{

            System.out.println("Do while loop");
            i++;
        }
        while(i<10);
    }
}
```

10. // A program to implement Continue statement

```
class  continue_stmt {
    public static void main(String arg[]){
        for(int i = 2; i < 10; i++){
            if(i%2 == 0){
                continue;
            }
            System.out.println("Result :  " + i);
        }

    }
```

```
}
```

11.
```
// A java program to implement break statement
class break_stmt{
   public static void main(String arg[]){
      for(int i = 2; i<10; i++){
         if(i%3==0){
            break;
         }
         else{
            System.out.println("Result : " + i);
         }
      }
   }
}
```

12.
```
//A java program to implement bitwise and operator
class bitwise_and{
   public static void main(String arg[]){
      int x = 0, y = 0;
      if(x++ == 1 & y++ == 1){
         System.out.println("x "+ x + " y = "+ y);
      }
      else{
         System.out.println("else part x = "+ x + " y = "+ y);
      }
   }
}
```

13. // A java program to implement bitwise or operator

```
class bitwise_or{
   public static void main(String arg[]){
      int x = 0, y=0;
      if(x++ == 1 | y++ == 1){
         System.out.println("x " + x +" y "+y);
      }else{
         System.out.println("else part = x " + x + " y " + y);
      }
   }
}
```

14. // A java program to implement bitwise xor operator

```
class bitwise_xor{
   public static void main(String arg[]){
      int x=0, y = 0;
      if(x++ == 1 ^ y++ ==1){
         System.out.println("x " + x +" y = "+ y);
      }
      else{
         System.out.println("else part x = "+x +" y = "+ y);
      }
   }
}
```