

## HOMEWORK-3

### 1.A. String

Java Switch yapısı primitive veri tiplerinden olan byte, short, char, int ve double değerleri ile çalışırken String tipine izin vermez.

### 2. D.6

```
Den5.java odev1.java odev2.java Break.java MathSine
1 package ornek;
2
3 public class sorux {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int meal=5; //2.
8         int tip=2;
9         int totalMeal= (meal>6 ? ++tip: --tip);
10        System.out.println(+total);
11    }
12
13 }
14
15
```

```
<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0_181\bin\j
6
```

### 3. C. False true

```
3 public class sorux {
4
5     public static void main(String... data) {
6         // TODO Auto-generated method stub
7         String john="john"; //2.
8         String jon=new String(john);
9
10        System.out.print((john==jon)+" " +(john.equals(jon)));
11    }
12
13 }
14
15
```

```
<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0_181\bin\javaw.exe (27 Nis 202
false true
```

### 4.B.Plan B

```
1 package ornek;
2
3 public class sorux {
4
5     public static void main(String [] data) {
6         // TODO Auto-generated method stub
7         int plan=1;
8         plan=plan++ + --plan;
9         if (plan==1) {
10
11            System.out.print("Plan a");
12
13        }
14        else if(plan==2) {
15            System.out.println("Plan b");
16        }
17        else
18            System.out.println("Plan c");
19    }
20 }
```

```
<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0_181\bin
Plan b
```

5.Boş

6.B.4

```
1 public class sorux {  
2  
3     public static void main(String [] data)  
4     // TODO Auto-generated method stub  
5     long thatNumber=5>=5 ? 1+2: 1*1;  
6     if (thatNumber<4)  
7     thatNumber +=1;  
8     System.out.println(+thatNumber);  
9 }  
10  
11  
12 }
```

Console Problems Debug Shell  
<terminated> sorux [Java Application] C:\Program Files\Java\jre1.  
4

7.B.break

8.C.the ternary expression are convenient replacement for an if-the-else statement.

Üçlü operator if-then-else kalıbıyla benzer mantıkta çalışır.

9.D.the code does not compile.

```
1 package sorux;  
2  
3 public class sorux {  
4  
5     public static void calculateResult(Integer candidateA,Integer candidateB) {  
6         // TODO Auto-generated method stub  
7         boolean process=candidateA==null || candidateA.intValue()<10;  
8         boolean value=candidateA && candidateB;  
9  
10        System.out.println(process ||value);  
11    }  
12    public static void main (String [] unused) {  
13        new sorux().calculateResult(null, 203);  
14    }  
15 }
```

Console Problems Debug Shell  
<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (27 Nis 2020 23:15:08)  
The operator && is undefined for the argument type(s) java.lang.Integer, java.lang.Integer

10.A.2

```
1 public class sorux {  
2  
3     public static void main (String ... argum  
4     int p=6;long t=3;  
5  
6     if (p%3>=1)  
7     t++;  
8     t--;  
9     System.out.println(+t);  
10 }  
11  
12  
13 }
```

Console Problems Debug Shell  
<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0.  
2

11.C.If then statement is required to cast an object.

If-then yapısı nesnelerin içine girerek kontrol eder.

12.D.None of the above

```

3 public class sorux {
4
5     public static void main (String []info) {
6         int f=15;
7
8         if (f>=15 && f<37) {
9             System.out.println("not enough");
10        }
11        if (f==37) {
12            System.out.println("just right");
13        }
14        else {
15            System.out.println("too many");
16        }
17    }
18 }
19 }

```

Console Problems Debug Shell

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181  
not enough  
too many

13.Boş

14.D.&&

İfadelerden herhangi ikisinden biri false olsa sonuç false olacaktır.

15.C. the code does not compile.

```

1 package ornek;
2
3 public class sorux {
4
5     public static void main(String[] args) {
6         int h=0;
7         int j=0;
8         j=h++;
9
10        if (j)
11            System.out.println("j!");
12
13            System.out.println("h!");
14
15    }
16 }

```

Console Problems Debug Shell

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (27 Nis 2020)  
Exception in thread "main" java.lang.Error: Unresolved compilation problem  
Type mismatch: cannot convert from int to boolean

16.D.post-icrement(V++), post decrement(V--)

17.B.13

```

3 public class sorux {
4
5     public static void main(String[] args) {
6         int tiger=2;
7         short leon=3;
8         long winner=leon +2*(leon+tiger);
9
10        System.out.println(winner);
11    }
12 }

```

Console Problems Debug Shell

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181  
13

18.D. None of above.

```
3 public class sorux {
4
5     public static void main(String[] args) {
6         // int leaders=10*(2+(1+2/5));
7         // int followers=leaders*2;
8         // System.out.print(leaders+followers<10 ? "Too few" : "Too many");
9         final int saturday=6;
10        switch (dayofweek)
11        {
12            default:
13                System.out.print("another weekday");
14                break;
15            case saturday:
16                System.out.println("weekend!");
17        }
18    }
19 }
20 }
21 }
```

```
5     public static void main(String[] args) {
6         // int leaders=10*(2+(1+2/5));
7         // int followers=leaders*2;
8         // System.out.print(leaders+followers<10 ? "Too few" : "Too
9         final long saturday=6;
10        switch (dayofweek)
11        {
12            default:
13                System.out.print("another weekday");
14                break;
15            case saturday:
16                System.out.println("weekend!");
17        }
18    }
19 }
20 }
21 }
```

Console Problems Debug Shell

terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (27 Nis 2020 23:58:24)

Exception in thread "main" java.lang.Error: Unresolved compilation problem: dayofweek cannot be resolved to a variable

at ornek.sorux.main(sorux.java:10)

```
5     public static void main(String[] args) {
6         // int leaders=10*(2+(1+2/5));
7         // int followers=leaders*2;
8         // System.out.print(leaders+followers<10 ? "Too few" : "Too m
9         final byte saturday=6;
10        switch (dayofwekk)
11        {
12            default:
13                System.out.print("another weekday");
14                break;
15            case saturday:
16                System.out.println("weekend!");
17        }
18    }
19 }
20 }
21 }
```

Console Problems Debug Shell

terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (28 Nis 2020 23:58:24)

Exception in thread "main" java.lang.Error: Unresolved compilation problem: dayofwekk cannot be resolved to a variable

at ornek.sorux.main(sorux.java:10)

19. C. the code does not compile but would compile if parentheses were added.

```

2
3 public class sorux {
4
5     public static void main(String[] args) {
6         int time=11;
7         int day=4;
8         String dinner=time>10 ? day ? "Takeout" : "Salad" : "Leftovers"
9
10        System.out.println(dinner);
11
12    }}

```

Console Problems Debug Shell

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (27 Nis 2020 23:42:41)

Exception in thread "main" java.lang.Error: Unresolved compilation problems:

Type mismatch: cannot convert from int to boolean

## 20. B.too many

```

4
5     public static void main(String[] args) {
6         int leaders=10*(2+(1+2/5));
7         int followers=leaders*2;
8         System.out.print(leaders+followers<10 ? "Too few" : "Too many");
9
10
11
12    }}

```

Console Problems Debug Shell

:terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (27 Nis 2020 23:48:38)

Too many

## 21.B.11789

```

4
5 public static void main(String[] days) {
6     // int leaders=10*(2+(1+2/5));
7     // int followers=leaders*2;
8     System.out.print(5+6+"7"+8+9);
9     // final byte saturday=6;
10    // switch (dayofwekk)
11    // {
12    // default:
13    //     System.out.print("another weekday");
14    //     break;
15    // case saturday:
16    //     System.out.println("weekend!");
17
18 }
19 }
20
21

```

Console Problems Debug Shell

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe 11789

22.B.-,%

Çıkarma ve kalan işlemleri açıklanmıştır.

23.C.15

```

4
5 public static void main(String[] days) {
6     int dog=11;
7     int cat=3;
8     int partA=dog/cat;
9     int partB=dog&cat;
10    int newDog=partA+ partB+partA*cat;
11    System.out.print(newDog);
12
13
14 }
15 }
16

```

Console Problems Debug Shell

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe 15

24.A. the code does not compile

```

    public static void main(String[] days) {
        int x=4;
        int w=5;
        boolean w=true;
        boolean z=false;
        x=w ? y++ : y--;
        w=!z;

        System.out.print((x+y)+ " "+(w ? 5:10));
    }
}

```

```

<
nsolve  Problems  Debug Shell
minated> sorux [Java Application] C:\Program Files\Java\jre1.8.0_181\bin\je
y cannot be resolved to a variable
y cannot be resolved to a variable

at ornek.sorux.main(sorux.java:8)

```

25. C.the code does not compile.

```

1 package mode;
2 public class sorux {
3
4     public static String travel (int distance) {
5         return distance <1000 ? "train" :10;
6     }
7
8     public static void main(String[] answer) {
9         System.out.println(travel(500));
10    }
11
12 }
13

```

```

<terminated> sorux (1) [Java Application] C:\Program Files\Java\jre1.8.0_181\bin\javaw.exe (30 Nis 2020 00:17:22
Exception in thread "main" java.lang.Error: Unresolved compilation problem:

```

26.A.==,equals()

Önce ifadelerin birbirine eşit olduğunun tanımlanması sonra eşitliklik metodunun kullanılması gerekir.

27.B.False

Eğer ifadenin değeri sıfırdan farklı olarak atanmışsa sıfır olarak çalışması beklenen sonuç false olacaktır.

28.D. the code does not compile.

```

1 package city;
2 public class Road {
3
4     public static void main(String...in) {
5         int i=100;
6         int s=200;
7         if (i<150) {
8             System.out.println("1");
9         }
10        else if (s && i>1000) {
11            System.out.println("2");
12        }
13        if (s<500)
14            System.out.println("1");
15
16        else
17            System.out.println("2");
18    }
19 }
20
21

```

Problems Javadoc Declaration Console Debug

<terminated> sorux (1) [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\ja  
 Error: Could not find or load main class sorux

29.D.the & and && operators are interchangeable,always producing the same results at runtime.

30. A. the code does not compile

```

1 package city;
2
3 public class sorux {
4
5     public static void main(String[] days) {
6         int x=4;
7         int w=5;
8         boolean w=true;
9         boolean z=false;
10        x=w ? y++ : y--;
11        w=!z;
12
13        System.out.print((x+y)+ " "+(w ? 5:10));
14
15    }
16 }
17
18

```

Problems Javadoc Declaration Console Debug

terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\ja  
 y cannot be resolved to a variable  
 y cannot be resolved to a variable

32.B.12



```
1 package ornek;
2
3 public class sorux {
4
5     public static void main(String[] args) {
6         double x=12 +6*3%(1+1);
7         System.out.print("sonucu:"+x);
8     }
9 }
10 }
11
```

<

Problems @ Javadoc Declaration Console Debug

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_  
sonucu:12.0

33.C. true and true

Java'da ^ (xor)operatörü bir tarafta bulunup diğer tarafta bulunmayan biti kopyayıp yazmaya sağlar. True-true false ise true false true ise false-false true olmalıdır.

34.A.Nothing is printed.

```

2
3 public class Conditionally {
4     public static void main (String...data) {
5
6         if (data.length>1 && data[0].equals("sound")||data[0].equals("logic") &&data.length<2)
7
8         {
9             System.out.println(data[0]);
10        }
11    }
12
13 }
14
15

```

Problems Javadoc Declaration Console Debug

<terminated> Baby [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (1 May 2020 14:17:33)

Error: Could not find or load main class ellii.Baby

35.C./,\*,%

Aritmetik çarpımsal operatörlerin önceliği vardır.

36. D.the ^ (xor) can only be applied too boolean values.

Xor operatörü boolean değerlerle çalışır.

37.B. Y||(X&&Z)

the ^ (xor) can only be applied too boolean values.

Xor operatörü boolean değerlerle çalışır.

38.D.None of above.

```

3 public class Kansas {
4     public static void main (String[]args) {
5
6         int colourofRainbow=10;
7         int red=5;
8         switch (colourofRainbow) {
9             default:
10                System.out.println("home");
11                break;
12            case red:
13                System.out.println("away");
14        }
15    }
16 }
17
18

```

Problems Javadoc Declaration Console Debug

<terminated> Kansas [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (1

Exception in thread "main" java.lang.Error: Unresolved compilation

case expressions must be constant expressions

39.C. < and >=

40.B.Turtle wins.

```

2      public class Tabc {
3          public static void main (String[]arguments) {
4
5              int turtle=10*(2+(3+2)/5);
6              int hare=turtle<5 ? 10:25;
7
8              System.out.println(turtle<hare ? "hare wins": "turtle wins");
9
10         }
11     }
12
13
14

```

Problems Javadoc Declaration Console Debug  
 <terminated> Tabc [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (1 May 2020 14:46:07)  
 turtle wins

41.BOŞ

42.C.down

```

2
3 public class Testgame {
4
5     public String runtest(boolean spinner,boolean roller) {
6         if(spinner==roller) return "up";
7         else return roller ? "down": "middle";
8
9     }
10    public static final void main (String pieces[]) {
11        final Testgame tester=new Testgame();
12        System.out.println(tester.runtest(false, true));
13
14    }
15 }
16

```

Problems Javadoc Declaration Console  
 <terminated> Testgame [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (1 May 2020 15:20:06)  
 down

43.D. || and !

44. A.2

```
3 public class kirkdort {
4
5     public static void main(String[] args) {
6         int c=5;
7         int s=3;
8
9         double x=c<=4 ? 3: s> 1 ? 2:1;
10        System.out.println(x);
11    }
12
13 }
14
```

Problems Javadoc Declaration Console

<terminated> kirkdort [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin  
2.0

45.D.at least one, at most one

Switch case yapısında en az bir case ifadesi yazılmalıdır. Default olarak atanan da en fazla bir değer olacaktır.

46. A.Nothings is printed.

47.D.none of above.

```
3 public class sorux {
4
5     public static void main(String[] args) {
6         double x=(5 +(12+8)*3-3%2)/2);
7         System.out.print("sonucu:"+x);
8     }
9 }
10
11
```

Problems Javadoc Declaration Console Debug

<terminated> sorux [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (30 Nis 2  
The operator ! is undefined for the argument(s)  
Syntax error on token ")", delete this token

48.D. false and false

49.A.-,/\*

Aritmetik operatör öncelikleridir.

50.C.the code does not compile due to p1.

```
1 package ornek;
2
3 public class Baby {
4     public static String play(int toy, int age) {
5         final String game;
6         if (toy<2)
7             game= age>1 ? 1:10;
8         else
9             game=age>3 ? "Ball" : "Swim";
10        return game;
11    }
12    public static void main (String[] variables)
13    {
14        System.out.println(play(5,2));
15    }
16 }
17
18
19
20
```

<

Problems Javadoc Declaration Console Debug

<terminated> Baby [Java Application] C:\Program Files\Java\jre1.8.0\_181\bin\javaw.exe (30 Nis 2020 01:2

Exception in thread "main" java.lang.Error: Unresolved compilation problem: