Looping MCQ

Q1. What will be output of given code.

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

int i = 1;

while (i != 5) {

switch (i) {

case 1:
System.out.println("First");
case 2:
System.out.println("Second");
break;
case 3:
System.out.println("Third");
case 4: System.out.println("Fourth");
break;
case 5:
System.out.println("Fifth");

default:
System.out.println("Invalid");

}

i++;
}

}
```

Q2. What will be output of given code.

```
class jump_statments
  {
     public static void main(String args[])
     {
        int x = 2;
        int y = 0;
        for ( ; y < 10; ++y)
        {
           if (y % x == 0)
              continue;
           else if (y == 8)
               break;
           else
             System.out.print(y + " ");
```

```
        }
  } }
```

Q3. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      int i = 1;
      while (i <= 2) {
         int j = 1;
         while (j <= 3) {
            if (i == 2 && j == 2) break;
            System.out.println(i + " " + j);
            j++;
         }
         i++;
      }
   }
}
```

Q4. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      int i = 0;
      while (i < 3) {
         int j = 0;
         while (j < 2) {
            System.out.println(i + " " + j);
            j++;
         }
         i++;
      }
   }
}
```

Q5. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      int i = 1;
      while (i <= 3) {
         int j = 1;
         while (j <= 2) {
            System.out.println(i * j);
            j++;
         }
         i++;
      }
```

```
  }
}
```

Q6. What will be output of given code.

```
public class Main {
  public static void main(String[] args) {
    for (int i = 1; i <= 2; i++) {
      for (int j = 1; j <= 3; j++) {
        if (j == 2) {
          continue;
        }
        System.out.println(i + " " + j);
      }
    }
  }
}
```

Q7. What will be output of given code.

```
public class Main {
  public static void main(String[] args) {
    int count = 0;
    for (int i = 0; i < 2; i++) {
      for (int j = 0; j < 2; j++) {
        count++;
      }
    }
    System.out.println(count);
  }
}
```

Q8. What will be output of given code.

```
public class Main {
  public static void main(String[] args) {
    for (int i = 1; i <= 3; i++) {
      for (int j = 3; j >= i; j--) {
        System.out.print(j + " ");
      }
      System.out.println();
    }
  }
}
```

Q9. What will be output of given code.

```
public class Main {
  public static void main(String[] args) {
    int sum = 0;
    for (int i = 1; i <= 3; i++) {
      for (int j = 1; j <= 2; j++) {
```

```
            sum += i * j;
        }
      }
      System.out.println(sum);
   }
}
```

Q10. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      int i = 1, j = 1;
      while (i <= 2) {
         while (j <= 3) {
            System.out.println("i = " + i + ", j = " + j);
            j++;
         }
         i++;
      }
   }
}
```

Q11. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      int i = 1;
      while (i <= 3) {
         int j = 1;
         while (j <= 3) {
            if (j == 2) {
               j++;
               continue;
            }
            System.out.print(i * j + " ");
            j++;
         }
         i++;
      }
   }
}
```

Q12. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      int i = 1;
      while (i <= 2) {
         switch (i) {
            case 1:
               System.out.print("P ");
```

```
            switch (i + 1) {
               case 2:
                  System.out.print("Q ");
                  break;
               case 3:
                  System.out.print("R ");
                  break;
            }
            break;
         case 2:
            System.out.print("S ");
            switch (i + 1) {
               case 3:
                  System.out.print("T ");
                  break;
               case 4:
                  System.out.print("U ");
                  break;
            }
            break;
      }
      i++;
   }
  }
}
```

Q13. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      for (int i = 1; i <= 3; i++) {
         switch (i) {
            case 1:
               System.out.print("A ");
               break;
            case 2:
               System.out.print("B ");
               break;
            case 3:
               System.out.print("C ");
               break;
         }
      }
   }
}
```

Q14. What will be output of given code.

```
public class Main {
   public static void main(String[] args) {
      for (int i = 1; i <= 2; i++) {
```

```
        for (int j = 1; j <= 3; j++) {
            switch (i) {
                case 1:
                    switch (j) {
                        case 1:
                            System.out.print("A ");
                            break;
                        case 2:
                            System.out.print("B ");
                            break;
                        case 3:
                            System.out.print("C ");
                            break;
                    }
                    break;
                case 2:
                    switch (j) {
                        case 1:
                            System.out.print("D ");
                            break;
                        case 2:
                            System.out.print("E ");
                            break;
                        case 3:
                            System.out.print("F ");
                            break;
                    }
                    break;
            }
        }
    }
}
```

Q15. What will be output of given code.

```
public class Main {
    public static void main(String[] args) {
        for (int i = 1; i <= 2; i++) {
            switch (i) {
                case 1:
                    for (int j = 1; j <= 2; j++) {
                        switch (j) {
                            case 1:
                                System.out.print("X ");
                                break;
                            case 2:
                                System.out.print("Y ");
                                break;
                        }
                    }
```

```
            break;
         case 2:
            for (int j = 1; j <= 2; j++) {
               switch (j) {
                  case 1:
                     System.out.print("Z ");
                     break;
                  case 2:
                     System.out.print("W ");
                     break;
               }
            }
            break;
      }
   }
}
```

Q16. What will be output of given code.

```
int i = 0;
while (i < 3) {
   int j = 0;
   while (j < 3) {
      System.out.print(i + "" + j + " ");
      j++;
   }
   i++;
}
```

Q17. What will be output of given code.

```
int count = 0;
int num = 12345;
while (num != 0) {
   num /= 10;
   count++;
}
System.out.println(count);
```

Q18. What will be output of given code.

```
for (int i = 2; i <= 8; i += 2) {
   switch (i) {
      case 2:
      case 4:
         System.out.print(i + " ");
         break;
      case 6:
         System.out.print("Six ");
         break;
```

```
      default:
         System.out.print("Other ");
   }
}
```

Q19. What will be output of given code.

```
for (int i = 0; i < 4; i++) {
   switch (i) {
      case 1:
         System.out.print("One ");
         break;
      case 2:
         System.out.print("Two ");
         break;
      default:
         System.out.print("Default ");
   }
}
```

Q20. What will be output of given code.

```
for (int i = 5; i > 0; i--) {
   switch (i) {
      case 4:
         System.out.print("Four ");
         break;
      case 2:
         System.out.print("Two ");
         break;
      case 5:
         System.out.print("Five ");
         break;
      default:
         System.out.print("Other ");
   }
}
```

Q21. What will be output of given code.

```
for (int i = 1; i <= 5; i++) {
   switch (i) {
      case 2:
      case 4:
         System.out.print(i + " ");
         break;
      default:
         System.out.print("D ");
   }
}
```

Q22. What will be output of given code.

```
for (int i = 1; i <= 5; i++) {
   switch (i*2-2) {
      case 2:
      case 4:
         System.out.print(i + " ");
         break;
      default:
         System.out.print("D ");
   }
}
```

Q23. What will be output of given code.

```
int i = 0;
while (i < 3) {
   for (int j = 0; j < 3; j++) {
      if (i + j > 2-1) {
         System.out.print("X ");
      } else {
         System.out.print("Y ");
      }
   }
   i++;
}
```

Q24. What will be output of given code.

```
int i = 1;
while (i < 4) {
   if (i % 3 == 1) {
      for (int j = i+1-1; j < 2; j++) {
         System.out.print(i + j + " ");
      }
   } else {
      System.out.print(i + " ");
   }
   i++;
}
```

Q25. What will be output of given code.

```
int i = 1;
while (i < 4) {
   if (i % 3 == 1) {
      for (int j = i+1-1; j < 2; j++) {
         System.out.print(i + j + " ");
```

```
      }
   } else {
      System.out.print(i + " ");
   }
   i++;
}
```

Q26. What will be output of given code.

```
public class Test{
        public static void main(String []args){
                int i = 0;
                for(i = 0; i < 10; i++){
                        continue;
                }
                System.out.println(i);
        }
}
```

Q27. What will be output of given code.

```
int var1 = 0;
int var2 = 2;
while ((var2 != 0) && ((var1 / var2) >= 0)) {
  var1 = var1 + 1;
  var2 = var2 - 1;
}
```

Q28. What will be output of given code.

```
for (int i = 0; i < 3; i++) {
   for (int j = 0; j < 2; j++) {
      System.out.println(i + j);
   }
}
```

Q29. What will be output of given code.

```
public class Test{
    public static void main(String args[]){
        int i = 0, j = 5 ;
        for( ; (i < 3) && (j++ < 10) ; i++ ){
            System.out.print(" " + i + " " + j );
        }
        System.out.print(" " + i + " " + j );
    }
}
```

Q30. What will be output of given code.

```
public class Test{
    public static void main(String args[]){
        int i, j;
        for(i=1, j=0;i<10;i++) j += i;
        System.out.println(i);
    }
}
```