Q1: What is the size of byte data type?

* 1 byte
* 2 byte
* 4 byte
* Undefined

:1 byte

Q2: What is the size of short data type?

* 1 byte
* 2 byte
* 4 byte
* Undefined

:2 byte

Q3: What is the size of char data type?

* 1 byte
* 2 byte
* 4 byte
* Undefined

:2 byte

Q4: What is the size of int data type?

* 2 byte
* 4 byte
* 8 byte
* Undefined

:4byte

Q5: What is the size of long data type?

* 2 byte
* 4 byte
* 8 byte
* Undefined

:8 byte

Q6: What is the size of float data type?

* 2 byte
* 4 byte
* 8 byte
* Undefined

:4byte

Q7: What is the size of double data type?

* 10 byte
* 4 byte
* 8 byte
* Undefined

:8 byte

Q8: What is the size of boolean data type?

* 2 byte
* 4 byte
* 8 byte
* Undefined

:undefined

Q9: What is the range of byte?

* -128 to 127
* 0 to 65535
* -32768 to 32767
* -2147483648 to 2147483647

:A

Q10: What is the range of short?

* -128 to 127
* 0 to 65535
* -32768 to 32767
* -2147483648 to 2147483647

:C

Q11: What is the range of char?

* -128 to 127
* 0 to 65535
* -32768 to 32767
* -2147483648 to 2147483647

:B

Q12: What is the range of int?

* -128 to 127
* 0 to 65535
* -32768 to 32767
* -2147483648 to 2147483647

:D

Q13: What is the range of long?

* -231 to 231-1
* -263 to 263-1
* -264 to 264-1
* -3.4\*1038 to 3.4\*1038
* -1.7\*10308 to 1.7\*10308

:C

14: What is the range of float?

* -231 to 231-1
* -3.4\*1038 to 3.4\*1038
* -3.4\*1038 to 3.4\*1038-1
* -1.7\*10308 to 1.7\*10308
* -1.7\*10308 to 1.7\*10308-1

:C

Q15: What is the range of double?

* -231 to 231-1
* -3.4\*1038 to 3.4\*1038
* -3.4\*1038 to 3.4\*1038-1
* -1.7\*10308 to 1.7\*10308
* -1.7\*10308 to 1.7\*10308-1

:D

Q16: Identify invalid assignment?

* short = byte
* char = byte
* int = byte
* long = byte

Q17: Identify invalid assignment?

* float = byte
* double = byte
* boolean = byte
* byte = byte

:C

Q18: Identify invalid assignment?

* byte = short
* short = short
* char = short
* int = short

Q19: Identify invalid assignment?

* long = short
* float = short
* double = short
* boolean = short

Q20: Identify invalid assignment?

* byte = char
* short = char
* char = char
* int = char

Q21: Identify invalid assignment?

* long = char
* float = char
* double = char
* boolean = char

Q22: Identify valid assignment?

* byte = int
* short = int
* char = int
* int = int

Q23: Identify invalid assignment?

* long = int
* float = int
* double = int
* boolean = int

Q24: Identify invalid assignment?

* byte = long
* short = long
* char = long
* int = long
* all

Q25: Identify invalid assignment?

* long = long
* float = long
* double = long
* boolean = long

Q26: Identify valid assignment?

* byte = float
* short = float
* char = float
* int = float
* none

Q27: Identify valid assignment?

* long = float
* float = float
* double = float
* boolean = float

Q28: Identify valid assignment?

* long = double
* float = double
* double = double
* boolean = double

Q29: Identify invalid assignment?

* byte = double
* short = double
* char = double
* int = double
* all

Q30: Identify valid assignment?

* byte = boolean
* short = boolean
* char = boolean
* int = boolean
* long = boolean
* float = boolean
* double = boolean
* boolean = boolean

Q31: void main(){

int x=10L;

System.out.println(x);

}

* 10
* 10L
* Compile time error
* Runtime error

: Cerror

Q32:

void main(){

float x=10.0;

System.out.println(x);

}

* 10.0
* 10
* Compile time error
* Runtime error

:CERROR

Q33:

void main(){

byte x=10;

x=x+1;

System.out.println(x);

}

* 11
* 10
* Compile time error
* Runtime error

:CERROR

Q34:

void main(){

byte x=10;

x=(byte)x+1;

System.out.println(x);

}

* 11
* Compile time error
* Runtime error

:CERROR

Q35:

void main(){

byte x=10;

x=(byte)(x+1);

System.out.println(x);

}

* 11
* Compile time error
* Runtime error

:A

Q36:

void main(){

byte x=10;

x++;

System.out.println(x);

}

* 11
* Compile time error
* Runtime error

:A

Q37:

void main(){

byte x=127;

x++;

System.out.println(x);

}

* 128
* -128
* Compile time error
* Runtime error

:B

Q38:

void main(){

byte x=10;

x=x+1;

System.out.println(x);

}

* 11
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types
* Compile Time Error: Inconvertible Types

:B

Q39:

void main(){

byte x=true;

System.out.println(x);

}

* 11
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types
* Compile Time Error: Inconvertible Types

:C

Q40:

void main(){

byte x=(byte)true;

System.out.println(x);

}

* 11
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types
* Compile Time Error: Inconvertible Types

:D

Q41:

void main(){

byte x=(byte)”10”;

System.out.println(x);

}

* 11
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types
* Compile Time Error: Inconvertible Types

:C

Q42:

void main(){

byte x=128;

System.out.println(x);

}

* 128
* -128
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types
* Compile Time Error: Inconvertible Types

:C

Q43:

void main(){

byte x=’A’;

System.out.println(x);

}

* A
* Compile Time Error: Possible Loss of Precision
* 65
* Compile Time Error: Inconvertible Types

:D

Q44:

void main(){

byte x=(byte)260;

System.out.println(x);

}

* 260
* 4
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types

:4

Q45:

void main(){

byte x=(byte)130;

System.out.println(x);

}

* 130
* -126
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types
* Compile Time Error: Inconvertible Types

:-126

Q46:

void main(){

byte x=10;

byte y=20;

short z=x+y;

System.out.println(x);

}

* 30
* Compile Time Error: Possible Loss of Precision
* Compile Time Error: Incompatible Types
* Compile Time Error: Inconvertible Types

:B

Q47: In java which data type is rarely used?

* byte
* short
* long
* double

:DOUBLE

Q48:

void main(){

System.out.print(65);

System.out.print((char)65);

System.out.print(‘A’);

System.out.print((int)’A’);

}

* 65 65 A A
* A A A A
* A 65 A A
* 65 A A 65

:D

Q49:

void main(){

\u0063h\u0061r \u0061=’A’;

System.out.println(a);

}

* Compile time error
* a
* 65
* A

:Cerror

Q50:

void main(){

char x=65;

System.out.print(x);

}

* 65
* X
* A
* Compiletime error

:A

Q51:

void main(){

byte x=65;

char y=x;

System.out.print(y);

}

* 65
* A
* Compile time error

:CERROR

Q52:

void main(){

char x=’A’;

byte y=x;

System.out.print(y);

}

* 65
* A
* Compile time error

:CERROR

Q53: Which Line is invalid

void main(){

byte a=10;

short b=10;

char p=a; //Line1

char q=(char)a; //Line2

char r=b; //Line3

char s=(char)b; //Line4

}

* Line1
* Line2
* Line1 and Line3
* Line1 Line2 Line3 Line4
* Line2 Line4

:C

Q54: Which Line is invalid

void main(){

int x=10;

char p=x; //Line1

char q=(char)x; //Line2

char r=10; //Line3

char s=(char)10; //Line4

}

:LINE 1

Q55: Which Line is invalid

void main(){

long x=10;

char p=x; //Line1

char q=(char)x; //Line2

char r=10L; //Line3

char s=(char)10L; //Line4

}

: LINE 1 and LINE 3

Q56: Which Line is invalid

void main(){

float x=10;

char p=x; //Line1

char q=(char)x; //Line2

char r=10.0f; //Line3

char s=(byte)10.0; //Line4

}

:LINE 1 nad LINE 3

Q57: Which Line is invalid

void main(){

boolean x=true;

char p=x; //Line1

char q=(char)x; //Line2

char r=true; //Line3

char s=(char)true; //Line4

}

: ALL LINES INVALID

Q58: Which Line is invalid

void main(){

byte a=10;

int p=a; //Line1

int q=(int)a; //Line2

int r=(byte)a; //Line3

}

:LINE 1

Q59: Which Line is invalid

void main(){

char a=65;

int p=a; //Line1

int q=(int)a; //Line2

int r=(char)a; //Line3

}

:NO INVALID LINE

Q60: Which Line is valid

void main(){

int a=2147483648; //Line1

int b=(int)2147483648; //Line2

long c=2147483648; //Line3

long a=2147483648L; //Line4

long a=(long)2147483648; //Line5

System.out.println(2147483648); //Line6

}

:ALL LINE INVALID

Q61: Which Line is invalid

void main(){

int x=10L; //Line1

int y=(int)10L; //Line2

int z=(long)10L;//Line3

}

:line 1 and line 3

Q62: Which Line is invalid

void main(){

float x=1.0; //LINE1

float y=(float)1.0; //LINE2

float z=1.0f; //LINE3

}

: LINE 1

Q63: Which Line is invalid

void main(){

float a=(byte)10; //LINE1

float b=(short)10; //LINE2

float c=(char)10; //LINE3

float d=(int)10; //LINE4

float e=(float)10; //LINE5

float f=(double)10; //LINE6

float g=(boolean)1; //LINE7

}

: line 6 and line 7

Q64: Which Line is invalid

void main(){

double a=(byte)10; //LINE1

double b=(short)10; //LINE2

double c=(char)10; //LINE3

double d=(int)10; //LINE4

double e=(float)10; //LINE5

double f=(double)10; //LINE6

double g=(boolean)1; //LINE7

}

:line 7

Q65: What is output

void main(){

float x=(int)2.5;

float y=(int)2.5f;

System.out.println(x);

System.out.println(y);

}

:2.0 2.0

Q66: What is output

void main(){

float x=(long)2.5;

float y=(long)2.5f;

System.out.println(x);

System.out.println(y);

}

: 2.0 2.0

Q67: What is output

void main(){

float x=(byte)2.5;

float y=(byte)2.5f;

System.out.println(x);

System.out.println(y);

}

: 2.0 2.0

Q68: What is output

void main(){

float x=(float)2.5;

float y=2.5f;

System.out.println((byte)x);

System.out.println(y);

}

: 2 2.5

Q69: Which is invalid line

void main(){

boolean a=1; //LINE1

boolean b=(boolean)1; //LINE2

}

:line 1 and line 2

Q70: Which is invalid line

void main(){

boolean a=(int)true; //LINE1

boolean b=true; //LINE2

}

:line 1 and line2

Q71: Which of the following will compile correctly

a. short myshort = 99S;

b. String name = 'Excellent tutorial Mr Green';

c. char c = 17c;

d.int z = 015;

:D

Q72: Which is invalid options (multipal)?

* int a = 10;
* int b = 20;
* int c = a + b;
* int i1 = 10;
* float f1 = 20;
* float f2 = i1 + f1;
* int i = i1 + f1;
* byte b1 = 10;
* byte b2 = 20;
* byte b3 = b1 + b2;

:LINE 7 AND LINE 10.

Q73: Which is invalid options (multipal)?

* byte b1 = 10;
* byte b2 = 'a';
* char ch = 'a';
* short s1 = 254;
* double d = 37.435;
* float f = 37.435f;
* long l = 10L;
* char ch2 = (char)256;

Q74: class Sample {

public static void main(String[] args) {

1. int a = 10;

2. int b = 20;

3. int c = a + b;

4. System.out.println(c);

5. int i1 = 10;

6. float f1 = 20;

7. float f2 = i1 + f1;

8. int i2 = i1 + f1;

9. int i2 = (int)i1 + f1;

10. int i2 = i1 + (int)f1;

11. int i3 = (int)(i1 + f1);

}

}

Which line of expressions are invalid

Q75. class Sample {

public static void main(String[] args) {

1. byte b1 = 10;

2. byte b2 = 20;

3. byte b3 = b1 + b2;

4. int i4 = b1 + b2;

5. byte b3 = (byte)b1 + b2;

6. byte b3 = (byte)b1 + (byte)b2;

7. byte b3 = (byte)(b1 + b2);

}

}

Which line of expressions are invalid?

:line 3 and line 5,6,7.

Q76. class Sample {

public static void main(String[] args) {

1. char ch1 = 'a';

2. char ch2 = 'b';

3. char ch3 = ch1 + ch2;

4. char ch3 = 'a' + 'b';

5. char ch3 = 97 + 98;

6. char ch3 = 195;

7. int i5 = ch1 + ch2;

8. char ch3 = (char)(ch1 + ch2);

}

}

Which line of expressions are invalid

Q77. class Sample {

public static void main(String[] args) {

1. byte b5 = 10 + 20;

2. byte b6 = 127 + 1;

3. char ch4 = 'a' + 'b';

4. byte b6 = 1;

5. byte b7 = 1 + b6;

6. byte b8 = 1 + 2L;

8. float f11 = 10 + 20;

9. float f12 = 10 + 20.0;

10. float f12 = 10 + 20.0f;

11. boolean bo = true;

12. int y = x + bo;

}

}

Which line of expressions are invalid

Q78. class Sample {

public static void main(String[] args) {

1. byte b1 = 10;

2. byte b2 = 100;

3. byte b3 = 254;

4. byte b3 = (byte)254;

}

}

Which line of expressions is invalid

: line 3 and line 4

Q79. class Sample {

public static void main(String[] args) {

1. int a = 10;

2. byte b = a;

3. byte b = (byte)a;

4. long l = 10;

5. float f = l;

}

}

:LINE 2,LINE 3

Which line of expressions is invalid

Q80. class Sample {

public static void main(String[] args) {

1. float f=1.5f;

2. long l2= f;

3. float f2 = 24.97f;

4. long l2= (long)f2;

5. float f3 = 254.97f;

6. byte b4= (byte)f3;

}

}

Which line of expressions is invalid

:LINE 2 and LINE 4

Q81.class Sample {

public static void main(String[] args) {

1. byte b12 = 10;

2. byte b13 = 20;

3. byte b14 = b12 + b13;

4. byte b14 = (byte)b12 + b13;

5. byte b14 = (byte)b12 + (byte)b13;

6. byte b14 = (byte)(b12 + b13);

7. int a14 = b12 + b13;

}

}

Which line of expressions is invalid

:LINE 3 ,LINE 4,LINE 5,LINE6

Q82. class Sample {

public static void main(String[] args) {

1. char ch12 = 'a';

2. char ch13 = 'b';

3. char ch14 = ch12 + ch13;

4. char ch14 = (char)(ch12 + ch13);

5. int i14 = ch12 + ch13;

}

}

Which line of expressions is invalid

:line 4 and line 5

Q83. class Sample {

public static void main(String[] args) {

1. System.out.println(10);

2. System.out.println('a');

3. System.out.println("a");

4. System.out.println(10.0);

5. System.out.println(10.345f);

6. System.out.println(30L);

7. System.out.println(30l );

8. System.out.println(50 + 20);

}

}

Write the correct output.

:10

a

a

10.0

10.345

30

30

70

Q84. What is output?

class Sample {

public static void main(String[] args) {

int a = 30;

int b = 40;

System.out.println(a + b);

System.out.println("a + b");

}

}

: 70 a+b

Q85. class Sample {

public static void main(String[] args) {

1. byte b1 = 10;

2. int i1 = b1;

3. byte b2 = i1;

4. byte b2 = (byte)i1;

5. int i = true;

6. int i = (int)true;

7. int i2 = 254;

8. byte b3 = i2;

9. byte b3 = (byte)i2;

10. char ch1 = 'a';

11. int i3 = ch1;

12. int i4 = 97;

13. char ch2 = i4;

14. char ch2 = (char)i4;

15. long l1 = 10;

16. float f1 = l1;

17. long l2 = f1;

18. long l2 = (long)f1;

}

}

Which line of code is invalid

: most of the lines are invalid.