ASSIGHTMENT NO 02

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Q.1 public class Main { public void main(String[] args)

{

System.out.println("Hello, World!"); }

}

ANS: - the main method was not declared as static. Without the static keyword

Q2 public class Main {

public static int main(String[] args) {

System.out.println("Hello, World!");

return 0;

}

}

Ans:- the main method is expected to have a void return type.

Q3. public class Main {

public static void main() {

System.out.println("Hello, World!");

}

}

ANS:- The String[] args parameter is required

Q4. public class Main {

public static void main(String[] args) {

System.out.println("Main method with String[] args"); }

public static void main(int[] args) {

System.out.println("Overloaded main method with int[] args");

}

}

ANS:- You can have multiple main methods

Q5. public class Main {

public static void main(String[] args) {

int x = y + 10;

System.out.println(x);

}

}

ANS:- y cannot be resolved to a variable.

Q6. public class Main {

public static void main(String[] args) {

int x = "Hello";

System.out.println(x);

}

}

ANS:- Type mismatch: cannot convert from String to int

Q7. public class Main {

public static void main(String[] args) {

System.out.println("Hello, World!"

}

}

ANS:- missing closing parenthesis ) and semicolon ;

Q8. public class Main {

public static void main(String[] args) {

int class = 10;

System.out.println(class);

}

ANS:- Syntax error on token "class".

Q9. public class Main {

public void display() {

System.out.println("No parameters");

}

public void display(int num) {

System.out.println("With parameter: " + num);

}

public static void main(String[] args) {

display();

display(5);

}

}

ANS:- Cannot make a static reference to the non-static method display().

Q10. public class Main {

public static void main(String[] args) {

int[] arr = {1, 2, 3};

System.out.println(arr[5]);

}

}

ANS:- Array Index Out Of Bounds Exception.

Q11. public class Main {

public static void main(String[] args) {

while (true) {

System.out.println("Infinite Loop");

}

}

ANS:- continuously printing Infinite Loop

Q12. public class Main {

public static void main(String[] args) {

String str = null;

System.out.println(str.length());

}

}

ANS:- call length() on a null reference

Q13. public class Main {

public static void main(String[] args) {

double num = "Hello";

System.out.println(num);

}

}

ANS:- cannot convert from String to double.

Q14. public class Main {

public static void main(String[] args) {

int num1 = 10;

double num2 = 5.5;

int result = num1 + num2;

System.out.println(result);

}

}

ANS:- cannot convert from double to int.

Q15. public class Main {

public static void main(String[] args) {

int num = 10;

double result = num / 4;

System.out.println(result);

Q16. public class Main {

public static void main(String[] args) {

int a = 10;

int b = 5;

int result = a \*\* b;

System.out.println(result);

}

}

ANS:-A\*\*B

Q17. public class Main {

public static void main(String[] args) {

int a = 10;

int b = 5;

int result = a + b \* 2;

System.out.println(result);

}

}

ANS:-20 O/P

Q18. public class Main {

public static void main(String[] args) {

int a = 10;

int b = 0;

int result = a / b;

System.out.println(result);

}

}

ANS:- runtime error

Q19. public class Main {

public static void main(String[] args) {

System.out.println("Hello, World")

}

}

ANS:- ‘;’ missing

Q20. public class Main {

public static void main(String[] args) {

System.out.println("Hello, World!");

// Missing closing brace here

}

ANS:- Missing closing brace here

Q21;-

public class Main {

public static void main(String[] args) {

static void displayMessage() {

System.out.println("Message");

}

}

}

ANS:- cannot define a method (displayMessage) inside another method (main)

Q22:- public class Confusion {

public static void main(String[] args) {

int value = 2;

switch(value) {

case 1:

System.out.println("Value is 1");

case 2:

System.out.println("Value is 2");

case 3:

System.out.println("Value is 3");

default:

System.out.println("Default case");

}

}

}

ANS:- absence of a break

Q23:- public class MissingBreakCase {

public static void main(String[] args) {

int level = 1;

switch(level) {

case 1:

System.out.println("Level 1");

case 2:

System.out.println("Level 2");

case 3:

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

default:

System.out.println("Unknown level");

}

}

}

ANS:- absence of a break

Q24:- public class Switch {

public static void main(String[] args) {

double score = 85.0;

switch(score) {

case 100:

System.out.println("Perfect score!");

break;

case 85:

System.out.println("Great job!");

break;

default:

System.out.println("Keep trying!");

}

}

}

ANS:- Java does not support double

Q25 public class Switch {

public static void main(String[] args) {

int number = 5;

switch(number) {

case 5:

System.out.println("Number is 5");

break;

case 5:

System.out.println("This is another case 5");

break;

default:

System.out.println("This is the default case");

}

}

ANS:- Compilation error: duplicate case