Dart Operators

1. Unary Postfix-

(a) expr++

* a++
* b++

(b) expr- -

* c- -
* d- -

(c) ( )

* var a= new A()
* int b= new B()

(d) [ ]

* List<double> \_prices=[];
* List<int> \_values=[];

(e) .

* list.add(color1);
* list.add(color2);

(f) ?.

* obj1?.username()
* obj2?.username()

2. Unary prefix-

(a) -expr

* -a
* -d

(b) !expr

* !a
* !b

(c) ~expr

* ~a
* ~c

(d) ++expr

* ++x
* ++i

(e) - -expr

* - -i
* - -j

3. Multiplicative-

(a) \*

* a\*b
* b\*c

(b) /

* a/b
* b/c

(c) %

* a%b
* b%c

(d) ~/

* b~/a
* c~/b

4. Additive-

(a) +

* a+b
* b+c

(b) –

* a-b
* b-c

5. Bitwise AND

* a & b
* b & c

6. Bitwise OR

* a | b
* b |c

7. Bitwise XOR

* a^b
* c^d

8. Shift

(a) <<

* printfn(a<<4)
* printfn(b<<1)

(b) >>

* printfn(b>>4)
* printfn(c>>1)

(c) >>>

* printfn(i>>>j)
* printfn(j>>>k)

9. Relational and type test

(a) >=

* a>=b
* b>=c

(b) >

* a>b
* c>d

(c) <=

* i<=j
* k<=l

(d) <

* i<j
* k>l

(e) as

* [‘images’] as list
* [‘test1’] as list

(f) is

* print(num is int)
* print(percent is float)

(g) is!

* print(num is! int)
* print(percent is! float)

10. Equality

(a) ==

* If (a==b) {

print(“they are equal”)

}

* If (a%2==0){

print(“it is even”)

}

(b) !=

* If (a!=b){

Print(“Not equal”)

* var a=b!=c

11. Logical AND

&&

* var val1= bool\_val1 && bool\_val2

print(val1)

* (A>10 && B>10)

12. Logical OR

||

* (A>10 || B>10)
* var val2= bool\_val1 && bool\_val2

print(val2)

13. if null

??

* var a=x??y
* a??=3

14. Conditional

expr1 ? expr2 : expr3

* var output = a > 42 ? "value greater than 10":"value lesser than equal to 30"
* var a=b>c?”b is greater than c”:”c is less than equal to b”

15. Cascade

(a) ..

* myobj..fn1()
* (‘obj..’)

(b) ?..

* ?..text
* ?..text=’Confirm’

16. Assignment

(a) =

* a=10
* b=17

(b) \*=

* n1\*=n2
* a\*=b

(c) /=

* n1/=n2
* a/=b

(d)+=

* n1+=n2
* a+=b

(e)-=

* n1-=n2
* a-=b

(f) &=

* n1&=n2
* a&=b

(g)^=

* n1^=n2
* a^=b