Class Edge

java.lang.Object
    Edge

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public class **Edge**
extends java.lang.Object

Constructor Summary

Constructors

Constructor and Description
Edge(**Vertex** vsrc, **Vertex** vdst) Instantiate a new edge on an unweighted graph
Edge(**Vertex** vsrc, **Vertex** vdst, double w) Instantiate a new edge on a weighted graph

Method Summary

| All Methods | Instance Methods | Concrete Methods |

Modifier and Type	Method and Description
boolean	**equals**(java.lang.Object obj) Compares if two edges are equal
Vertex	**getDst**() Gets the destination vertex of this edge.
Vertex	**getSrc**() Gets the source vertex of this edge
double	**getWeight**() Gets the weight of this edge.
void	**setDst**(**Vertex** dst)
void	**setSrc**(**Vertex** src)

| void | **setWeight**(double weight) |
| java.lang.String | **toString**()
 Returns the information of this Edge in a String format. |

Methods inherited from class java.lang.Object

getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

Edge

```
public Edge(Vertex vsrc,
            Vertex vdst,
            double w)
```

Instantiate a new edge on a weighted graph

Parameters:

vsrc - source vertex

vdst - destination vertex

w - weigth

Edge

```
public Edge(Vertex vsrc,
            Vertex vdst)
```

Instantiate a new edge on an unweighted graph

Parameters:

vsrc - source vertex

vdst - destination vertex

Method Detail

getSrc

```
public Vertex getSrc()
```

Gets the source vertex of this edge

Returns:
the source vertex of this edge

getDst

public Vertex getDst()

Gets the destination vertex of this edge.

Returns:
the destination of this edge

getWeight

public double getWeight()

Gets the weight of this edge.

Returns:
the weight of this edge

setSrc

public void setSrc(Vertex src)

setDst

public void setDst(Vertex dst)

setWeight

public void setWeight(double weight)

equals

public boolean equals(java.lang.Object obj)

Compares if two edges are equal

Overrides:
equals in class java.lang.Object

Returns:
true if equal, false otherwise

toString

```
public java.lang.String toString()
```

Returns the information of this Edge in a String format.

Overrides:

```
toString in class java.lang.Object
```

Returns:

```
the string representation of the edge
```