

PROGRAM CODE:

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public class Wrestler
{
    private String Name;
    private double pow,Max_power=100;
    private int str,tou,sta,spd,lck,cou,skl;
    Wrestler(String Name)
    {
        setName(Name);
    }
    public String getName() {
        return Name;
    }
    private void setName(String name) {
        Name = name;
    }
    public double getPow() {
        return pow;
    }
    private void setPow(double pow) {
        this.pow = pow;
    }
    public double getMax_power() {
        return Max_power;
    }
    public int getStr() {
        return str;
    }
    private Boolean setStr(int str) {
        this.str = str;
        return validate(str);
    }
    public int getTou() {
        return tou;
    }
    private Boolean setTou(int tou) {
        this.tou = tou;
        return validate(tou);
    }
    public int getSta() {
        return sta;
    }
    private Boolean setSta(int sta) {
        this.sta = sta;
        return validate(sta);
    }
    public int getSpd() {
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        return spd;
    }
    private Boolean setSpd(int spd) {
        this.spd = spd;
        return validate(spd);
    }
    public int getLck() {
        return lck;
    }
    private Boolean setLck(int lck) {
        this.lck = lck;
        return validate(lck);
    }
    public int getCou() {
        return cou;
    }
    private Boolean setCou(int cou) {
        this.cou = cou;
        return validate(cou);
    }
    public int getSk1() {
        return skl;
    }
    private Boolean setSk1(int skl) {
        this.skl = skl;
        return validate(skl);
    }
    Boolean validate(int x)
    {
        if (x<=20 && x>=1)
            return true;
        else
            return false;
    }
    public void rest()
    {
        pow=Max_power;
    }
    void reducePow(double p)
    {
        pow-=p;
    }
    public Boolean setAttr(int str,int tou,int sta,int spd,int lck,int cou,int skl)
    {
        if(setStr(str)==false)
            return false;
        else if(setTou(tou)==false)
            return false;
        else if(setSta(sta)==false)

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        return false;
    else if(setSpd(spd)==false)
        return false;
    else if(setLck(lck)==false)
        return false;
    else if(setCou(cou)==false)
        return false;
    else if(setSkl(skl)==false)
        return false;
    else
        return true;
    }
    public String toString()
    {
        return Name;
    }
}
class Test
{
    public static void main(String[] args)
    {
        Wrestler w1=new Wrestler("Pnp");
        Wrestler w2=new Wrestler("Roman Reigns");
        Boolean b1=w1.setAttr(20,15,12,15,16,17,19);
        Boolean b2=w2.setAttr(10, 12, 14, 21, 2, 2, 10);
        System.out.println("Name : "+w1.toString());
        System.out.println("Attributes valid : "+b1);
        System.out.println("Name : "+w2.toString());
        System.out.println("Attributes valid : "+b2);
        System.out.println("PARTH PATEL\n19DCS098");
    }
}

```

OUTPUT:

```

C:\Java\Wrestler\src>javac Wrestler.java

C:\Java\Wrestler\src>java Test
Name : Pnp
Attributes valid : true
Name : Roman Reigns
Attributes valid : false
PARTH PATEL
19DCS098

```