

Assignment 12

Write C++ program to draw Man Walking in the Rain with an Umbrella.

Input:-

```
#include<stdio.h>

#include<conio.h>

#include<graphics.h>

#include<stdlib.h>

#include<dos.h>

using namespace std;

class WalkingMan{

    int rhx,rhy;

    public:

        void draw(int,int);

        void draw(int);

};

void WalkingMan::draw(int i){

line(20,380,580,380); //platform

if(i%2==0)

{

line(25+i,380,35+i,340); //leftleg

line(45+i,380,35+i,340); //right leg

line(35+i,310,25+i,330); //left hand

delay(20);

}
```

```
else
```

```
{
```

```
line(35+i,380,35+i,340);
```

```
line(35+i,310,40+i,330);
```

```
delay(20);
```

```
}
```

```
line(35+i,340,35+i,310); //body
```

```
circle(35+i,300,10); //head
```

```
line(35+i,310,50+i,330); // hand
```

```
line(50+i,330,50+i,280); //umbrella stick
```

```
line(15+i,280,85+i,280); //umbrella right
```

```
arc(50+i,280,0,180,35); //umbrella body
```

```
arc(55+i,330,180,360,5); //umbrella handle
```

```
}
```

```
void WalkingMan::draw(int x, int y){
```

```
    int j;
```

```
    rhx=x;
```

```
    rhy=y;
```

```
    for(j=0;j<100;j++)
```

```
    {
```

```
        outtextxy(rand()%rhx,rand()%(rhy-50),"|");
```

```
        setcolor(WHITE);
    }
}

int main()
{
    int gd=DETECT,gm;
    int rhx,rhy,j,i;
    WalkingMan obj;
    initgraph(&gd,&gm,"");
    for(i=0;i<500;i+=5)
    {
        obj.draw(i);
        rhx=getmaxx();
        rhy=getmaxy();
        obj.draw(rhx,rhy);
        delay(150);
        cleardevice();
    }
    getch();
    return 0;
}
```

Output:-

