**פתרונות דוד אלקובי**

**pdf4**

1)

double d,b,h,sum,gums;  
 Scanner in=new Scanner(System.*in*);  
 System.*out*.println("dan How much money?");  
 d=in.nextInt();  
 System.*out*.println("ben How much money?");  
 b=in.nextInt();  
 System.*out*.println("hen How much money?");  
 h=in.nextInt();  
 sum=d+b+h;  
 gums=sum-50;  
 System.*out*.println(gums);

2)

float h\_1, h\_2,result;  
Scanner in=new Scanner(System.*in*);  
System.*out*.println("What ih the height?");  
h\_1=in.nextFloat();  
 System.*out*.println("What ih the height?");  
 h\_2=in.nextFloat();  
 result=Math.*abs*(h\_1-h\_2);  
 System.*out*.println(result);

3)

float h\_1, h\_2;  
Scanner in=new Scanner(System.*in*);  
System.*out*.println("What ih the height?");  
h\_1=in.nextFloat();  
 System.*out*.println("What ih the height?");  
 h\_2=in.nextFloat();  
 if(h\_1<h\_2)  
 System.*out*.println(h\_1);  
 else System.*out*.println(h\_2);

int a,b,area; 4)

double diago;  
Scanner in=new Scanner(System.*in*);  
System.*out*.println("Enter length:");  
a=in.nextInt();  
 System.*out*.println("Enter width:");  
 b=in.nextInt();  
 area=a\*b;  
 diago=Math.*sqrt*(a\*a+b\*b);  
 System.*out*.println("The area is: "+area);  
 System.*out*.println("The diagonal is: "+diago);

6)

Bags-4

Remainder-5

Bags-4

Remainder-0

)7

2

1

5

0

0

3

8)

2,1

1,1

1,0

ב)

18,8

9)

בין 0 ל4

בין 0 ל 5

11)

int minuets\_1,hours,minuets\_2;  
Scanner in=new Scanner(System.*in*);  
System.*out*.println("Enter minuets:");  
minuets\_1=in.nextInt();  
hours=minuets\_1/60;  
minuets\_2=minuets\_1%60;  
System.*out*.println(hours+" hours ,"+minuets\_2+" minuets.");

12)

int days, saturdays;  
final double liters\_per\_day=3.8;  
double water;  
Scanner in=new Scanner(System.*in*);  
System.*out*.println("how many days?");  
days=in.nextInt();  
saturdays=days/7;  
water=days\*liters\_per\_day;  
System.*out*.println("Saturdays missing are: "+saturdays+" , water needed is: "+water);

13)

final double pay\_per\_note=6.3,time\_per\_note=10;  
double salary;  
int time\_of\_work,note\_needed,hours,minuets;  
Scanner in=new Scanner(System.*in*);  
System.*out*.println("How many notes?");  
note\_needed=in.nextInt();  
time\_of\_work=note\_needed\*10;  
salary=note\_needed\*pay\_per\_note;  
hours=time\_of\_work/60;  
minuets=time\_of\_work%60;  
System.*out*.println("Your salary is: "+salary+". you worked: "+hours+" hours"+" and "+minuets+" minuets.");

14)

int total\_wheels,wheels\_per\_truck;  
Scanner in=new Scanner(System.*in*);  
total\_wheels=in.nextInt();  
wheels\_per\_truck=in.nextInt();  
System.*out*.println(total\_wheels/wheels\_per\_truck);

16)

int h,t,s;  
double memotza;  
Scanner in=new Scanner(System.*in*);  
h= in.nextInt();  
t= in.nextInt();  
s= in.nextInt();  
memotza=(double)(h+t+s)/3;  
System.*out*.println(memotza);

17)

double a,b,c;  
double grade;  
Scanner in=new Scanner(System.*in*);  
a= in.nextInt();  
b= in.nextInt();  
c= in.nextInt();  
grade=(double)((0.3333333333333333)\*a+(0.5)\*b+(0.17)\*c);  
System.*out*.println(grade);

19)

Scanner in = new Scanner(System.*in*);  
int num,units,tens;  
 System.*out*.print("Enter a two digit number: ");  
 num = in.nextInt();  
 tens = num/ 10;  
 units = num % 10;  
 System.*out*.println(units+""+tens);

20)

Scanner in = new Scanner(System.*in*);  
int num,units,tens;  
 System.*out*.print("Enter a two digit number: ");  
 num = in.nextInt();  
 tens = num/ 10;  
 units = num % 10;  
 System.*out*.println(Math.*abs*(tens-units));

22)

Scanner in = new Scanner(System.*in*);  
char first,second;  
first=in.next().charAt(0);  
second=(char)(first+1);  
System.*out*.println(second);

23)

Scanner in = new Scanner(System.*in*);  
int num\_10,num\_15;  
char first,second;  
first=in.next().charAt(0);  
second=(char)(first);  
num\_10=(second-48)\*10;  
num\_15=(second-48)\*15;  
System.*out*.println(second);  
System.*out*.println(num\_10);  
System.*out*.println(num\_15);

24)

Scanner in = new Scanner(System.*in*);  
 char first,second;  
 int num1,num2;  
 first=in.next().charAt(0);  
 second=in.next().charAt(0);  
 num1=(first-48);  
 num2=(second-48);  
 System.*out*.println(num1+num2);

25)

1-6

0-9

100-110

26)

0-99

1-100

0-100

100-200

200-299

7-56

27)

rndNum.nextInt(10)

rndNum.nextInt(91)10+

rndNum.nextInt(100)

rndNum.nextInt(401)100+

rndNum.nextInt(51)\*2

rndNum.nextInt(900)100+

28)

int x,y, zone;

Random rnd = new Random();

Scanner in = new Scanner(System.*in*);

System.*out*.println("enter first number: ");

x=in.nextInt();

System.*out*.println("enter second number: ");

y=in.nextInt();

total=rnd.nextInt(Math.*abs*(y-x+1))+x;

System.*out*.println("number is: "+zone);

שאלות נוספות

1)

int a ,b ,c;  
double x1,x2;  
 Scanner in=new Scanner(System.*in*);  
 a=in.nextInt();  
 b= in.nextInt();  
 c= in.nextInt();  
 x1=(-b+Math.*sqrt*(b\*b-4\*a\*c)/(2\*a));  
 x2=(-b-Math.*sqrt*(b\*b-4\*a\*c)/(2\*a));  
 System.*out*.println(x1);  
 System.*out*.println(x2);

2)

public static void main(String[] args) {  
 int waiting,seats,num\_taxis,people\_left;  
 Scanner in=new Scanner(System.*in*);  
 waiting=in.nextInt();  
 seats=in.nextInt();  
 num\_taxis=waiting/seats;  
 people\_left=waiting%seats;  
 System.*out*.println(num\_taxis+" taxi");  
 System.*out*.println(people\_left+" people left");

3)

6

63

14,4

שאלות מסכמות

1)

public static void main(String[] args) {  
 double value\_gums\_box,value\_gums\_free;  
 final double value\_gum=0.2;  
 int total\_gums,size\_box;  
 Scanner in=new Scanner(System.*in*);  
 total\_gums=in.nextInt();  
 size\_box=in.nextInt();  
 value\_gums\_box =(total\_gums/size\_box)\*size\_box\*value\_gum;  
 value\_gums\_free=value\_gum\*(total\_gums%size\_box);  
 System.*out*.println(value\_gums\_box);  
 System.*out*.println(value\_gums\_free);

2)

int payback, num1, num5, num10, num\_coins;  
Scanner in = new Scanner(System.*in*);  
payback = in.nextInt();  
 num10 = payback / 10;  
 num5 = (payback % 10) / 5;  
 num1 = (payback % 5) ;  
 num\_coins = num10 + num5 + num1;  
 System.*out*.println(num10);  
 System.*out*.println(num5);  
 System.*out*.println(num1);  
 System.*out*.println("The number of coins is: " + num\_coins + " coins")

3)

int num,units,tens,hundreds;  
Random rdn=new Random();  
num=rdn.nextInt(900)+100;  
units=num%10;  
hundreds=num/100;  
tens=(num/10)%10;  
System.*out*.println(num);  
System.*out*.println(hundreds);  
System.*out*.println(tens);  
System.*out*.println(units);