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**ASSIGNMENT NO 1**

Q.1: Create two integer variables length and breadth and assign values then

check if they are square values or rectangle values.ie: if both values are equal

then it's square otherwise rectangle.

void main(){

  int length = 10;

  int breath = 10;

  if(length==breath){

    print("Square");

  }

  else{

    print("Its an rectangle");

  }

}

Q.2: Take two variables and store age then using if/else condition to determine

oldest and youngest among them.

void main(){

  int age1 = 20;

  int age2 = 40;

  if(age1>age2){

    print("First man is older than Second man");

  }

  if(age1<age2){

    print("Second man is older than First man");

  }

  else{

    print("Both had same age");

  }

}

Q.3: A student will not be allowed to sit in exam if his/her attendance is less

than 75%. Create integer variables and assign value:

Number of classes held = 16,

Number of classes attended = 10,

and print percentage of class attended.

Is student is allowed to sit in exam or not?

void main(){

   int totalattendence = 48;

   int totalattend = 38;

   double percentage=(totalattend/totalattendence)\*100;

   if(percentage>75){

    print("Student Allowed to sit in exam");

   }

   else{

    print("Student will not allowed to sit in exam.");

   }

}

Q4: Write a program to convert Celsius to Fahrenheit .i.e: Temperature in degrees Fahrenheit (°F) = (Temperature in degrees Celsius (°C) \* 9/5) + 32

void main(){

  double celsius = 65.;

  double fahrenheit =(celsius \* 9 / 5)+ 32;

  print(" fahrenheit =$fahrenheit");

}

Q.5 Write a program to read temperature in centigrade and display a suitable

message according to temperature:

You have num variable temperature = 42;

Now print the message according to temperature:

temp < 0 then Freezing weather

temp 0-10 then Very Cold weather

temp 10-20 then Cold weather

temp 20-30 then Normal in Temp

temp 30-40 then Its Hot

temp >=40 then Its Very Hot

void main(){

  num temperature=30;

  if(temperature<0){

    print("Freezing Weather");

  }

  else if(temperature<10){

    print("Very Cold weather");

  }

  else if(temperature>=10 && temperature<=20){

    print("Cold Weather");

  }

  else if(temperature>=20 && temperature<=30){

    print("Normal in temp");

  }

  else if(temperature>=30 && temperature<=40){

    print("Its hot");

  }

  else if(temperature>=40){

    print("Its very hot");

  }

}

Q.6: Write a program to check whether an alphabet is a vowel or consonant.

void main(){

  String vowel = 'A';

  if(vowel=='A' || vowel=='E' || vowel=='I' || vowel=='O' || vowel=='U'){

    print("Its a vowel");

  }

  else{

    print("Not a vowel");

  }

}

Q9: Check if the number is even or odd, If number is even then check if this is

divisible by 5 or not & if number is odd then check if this is divisible by 7 or not.

void checkNumber(int number){

  if(number %2==0){

    print('$number is even.');

    if (number %4==0){

      print('$number is divisible by 4.');

    } else {

      print('$number is not divisible by 4.');

    }

  } else {

    print('$number is odd.');

    if (number %7==0) {

      print('$number is divisible by 7.');

    } else {

      print('$number is not divisible by 7.');

    }

  }

}

void main() {

  int number = 24;

  checkNumber(number);

}