Question- write a function to calculate area and perimeter of rectangle by taking input from command prompt

.

a) Using normal function-

function rectangle(){

let l = parseInt(prompt("enter length - "));

let b = parseInt(prompt("enter breadth - "));

let area = l\*b;

let perm = 2\*(l+b);

console.log("area of rectangle is - "+ area);

console.log("perimeter of rectangle is - "+ perm);

}

rectangle();  
  
output -

VM402:6 area of rectangle is - 121

VM402:7 perimeter of rectangle is – 44

b) using anonymous function-

const area\_perm\_of\_rect = function(l,b){

var area = l\*b;

var perm = 2\*(l+b);

return [area,perm];

}

Output-  
area\_perm\_of\_rect(1,2)[1];

6

area\_perm\_of\_rect(1,2)[0];

2  
  
c) using named function-

function reactangle(){

let l = parseInt(prompt("enter length - "));

let b = parseInt(prompt("enter breadth - "));

var area = function area(){return l\*b;}

var perm = function perm(){return 2\*(l+b);}

}

Output -   
rectangle();

VM402:6 area of rectangle is - 156

VM402:7 perimeter of rectangle is – 50  
  
d) using arrow functions

const area\_perm = (l,b) => {

var area = l\*b;

var perimeter = 2\*(l+b);

return {area,perimeter};

}

output -

area\_perm(12,12).area

144

area\_perm(12,12).perimeter

48  
  
Now we’ll use same process to create variations of date function as in assignment 2.  
a) using arrow function  
const getdate\_time = (date)=> {

var days = {

0: "sunday",

1: "monday",

2: "tuesday",

3: "wednesday",

4: "thursday",

5: "friday",

6: "saturday",

};

var x = date.getHours();

if (date.getHours() > 12) {

x = x - 12;

}

var a;

if (date.getHours() >= 12) {

a = "PM";

} else {

a = "AM";

}

console.log(

`today is : ` +

days[date.getDay()] +

`

current time is - ` +

x +

a +

` : ` +

date.getMinutes() +

` : ` +

date.getSeconds()

);

}  
  
output -   
getdate\_time(date);

VM1574:22 today is : wednesday

current time is – 11 AM : 54 : 3

b)using anonymous function –

const get\_date\_time = function (date){

var days = {

0: "sunday",

1: "monday",

2: "tuesday",

3: "wednesday",

4: "thursday",

5: "friday",

6: "saturday",

};

var x = date.getHours();

if (date.getHours() > 12) {

x = x - 12;

}

var a;

if (date.getHours() >= 12) {

a = "PM";

} else {

a = "AM";

}

console.log(

`today is : ` +

days[date.getDay()] +

`

current time is - ` +

x +

a +

` : ` +

date.getMinutes() +

` : ` +

date.getSeconds()

);

}

Output -

get\_date\_time(date);

VM1573:22 today is : wednesday

current time is - 11PM : 57 : 33

c) using named function –

const get\_date\_time = function getdatetime(date){

var days = {

0: "sunday",

1: "monday",

2: "tuesday",

3: "wednesday",

4: "thursday",

5: "friday",

6: "saturday",

};

var x = date.getHours();

if (date.getHours() > 12) {

x = x - 12;

}

var a;

if (date.getHours() >= 12) {

a = "PM";

} else {

a = "AM";

}

console.log(

`today is : ` +

days[date.getDay()] +

`

current time is - ` +

x +

a +

` : ` +

date.getMinutes() +

` : ` +

date.getSeconds()

);

}

undefined

get\_date\_time(date);

VM1573:22 today is : wednesday

current time is - 11PM : 57 : 33