

第 48 屆全國技能競賽暨
第 45 屆國際技能競賽國手選拔賽



資訊技術（軟體設計）職類
競賽試題及評分彙總表

競賽及評分項目

<input type="checkbox"/> 系統分析與資料庫設計	<input type="checkbox"/> 商用軟體設計一	<input type="checkbox"/> 商用軟體設計二
<input type="checkbox"/> 文件與簡報設計	<input checked="" type="checkbox"/> 商業資料處理與分析	<input type="checkbox"/> 商業資料建置

選 手 編 號：_____

抽籤崗位號碼：_____

選 手 姓 名：_____

總 分：_____

評 分 老 師：_____

SPREADSHEET REQUEST FORM 1

Co-requisites:

Action Required:

☐ New Spreadsheet
 ☒ Edit Spreadsheet *Railway-Data.xlsx*
 ☒ Import Data
 ☐ Graph
 ☐ Macro
 Save as
Railway-Answer.xlsx

Scenario description:

The Moscow Metro, known as the Lenin Moscow Metro System, is the sixth-highest underground track system in the world. Many of the stations were built with excellent design style and marble column design, making the Moscow Metro's magnificent level in the world is second to none, and it also affects the subway design of many former Soviet Union and socialist countries.

"TrainData" Worksheet :

1. Import the text files (.txt) in each folder of "June", "July", "August", "September", "October", "November", "December" from the "2018" folder. Information, a total of 2,287 records after import.

If you can not import data, you can ask the expert to provide "Railway-A.xlsx" file, but this topic is 0 points.

2. "Driving time" field :
Calculate the travel time of each train
3. "Ticket Price" field :
Display the ticket price based on the information in the "PriceTable" Worksheet (limited to the formula, rounded to two decimal places)

[8]

[]

[3]

[]

[5]

[]

	A	B	C	D	E	F	G	H	I
1	Departure Date	Departure Time	Departure stations	Arrival Date	Arrival Time	Arrival stations	Class	Driving time	Ticket Price
2	2018-Jun-01	0:09:51	Vologda	2018-Jun-01	0:42:09	Kazan	A	0:32:18	58.84
3	2018-Jun-01	2:50:19	Tver	2018-Jun-01	5:18:59	Yaroslavl	B	2:28:40	36.74
4	2018-Jun-01	5:14:48	Petrozavodsk	2018-Jun-01	8:19:35	Yaroslavl	A	3:04:47	69.98
5	2018-Jun-01	8:06:50	N.novgorod	2018-Jun-01	17:38:52	St-Petersburg	E	9:32:03	34.47
6	2018-Jun-01	11:10:44	Tver	2018-Jun-01	21:07:12	Yaroslavl	E	9:56:28	26.78

"PriceTable" Worksheet :

4. According to the information in the "TrainData" Worksheet, find out the "Departure stations" and "Arrival stations" and "Class" three fields of non-repetitive data.
5. Please sort by "Departure stations", "Arrival stations", "Class"

[5]

[]

[1]

[]

[6]

[]

<div>6. "Ticket Price" field :</div> <div>The price list for each train is in the "ClassA PriceTable" Worksheet, but only the price of "ClassA". The price of other grades is 10% of the previous grade.</div> <div>7. Conditional Formatting :</div> <div>As long as the Class A is the data, the entire column is filled with light colors (please customize the color)</div> <table><tr><td></td><td>A</td><td>B</td><td>C</td><td>D</td></tr><tr><td>1</td><td>Departure stations</td><td>Arrival stations</td><td>Class</td><td>Ticket Price</td></tr><tr><td>2</td><td>Moscow</td><td>Kazan</td><td>A</td><td>126.33</td></tr><tr><td>3</td><td>Moscow</td><td>Kazan</td><td>B</td><td>113.70</td></tr><tr><td>4</td><td>Moscow</td><td>Kazan</td><td>C</td><td>102.33</td></tr><tr><td>5</td><td>Moscow</td><td>Kazan</td><td>D</td><td>92.10</td></tr><tr><td>6</td><td>Moscow</td><td>Kazan</td><td>E</td><td>82.89</td></tr></table>		A	B	C	D	1	Departure stations	Arrival stations	Class	Ticket Price	2	Moscow	Kazan	A	126.33	3	Moscow	Kazan	B	113.70	4	Moscow	Kazan	C	102.33	5	Moscow	Kazan	D	92.10	6	Moscow	Kazan	E	82.89	[2]	[]
	A	B	C	D																																	
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6	Moscow	Kazan	E	82.89																																	
合計	[30]	[]																																			

SPREADSHEET REQUEST FORM 2

Co-requisites:

Action Required:

☐ New Spreadsheet
 ☒ Edit Spreadsheet
 ☐ Data Entry
 ☐ Import Data
 ☐ Graph
 ☐ Macro
 Save as
Calendar-Data.xlsx
Calendar-Answer.xlsx

Scenario description:

The 2018 World Football Tournament was held in Moscow. Its group matches were divided into A~H competitions from 2018/6/14~2018/6/28. At present, there are only a list of events in each group, but the broadcasters want to know the daily events and every Team's match date and its opponent.

"Calendar" Worksheet :

- | | | |
|--|-------|-------|
| 1. "Time" : Please fill in the Time according to the date of the "Schedule" Worksheet. | [4] | [] |
| 2. "Group" : Please fill in the group according to the date of the "Schedule" Worksheet. | [4] | [] |
| 3. "Home" : Please fill in the Home according to the date of the "Schedule" Worksheet. | [4] | [] |
| 4. "Away" : Please fill in the Away according to the date of the "Schedule" Worksheet. | [4] | [] |
| 5. "Stadium" : Please fill in the Stadium according to the date of the "Schedule" Worksheet. | [4] | [] |

	A	B	C	D	E	F	G	H
1	Weekday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
25	Time	4:00 PM	3:00 PM	9:00 PM	6:00 PM	4:00 PM	6:00 PM	6:00 PM
26	Group	E	F	A	A	C	D	F
27	Home	CostaRica	Sweden	Russia	Uruguay	Denmark	Nigeria	SouthKorea
28	Away	Serbia	SouthKorea	Egypt	SaudiArabia	Australia	Iceland	Mexico
29	Stadium	Cosmos Arena, Samara	Nizhny Novgorod Stadium, Nizhny Novgorod	Krestovsky Stadium, Saint Petersburg	Rostov Arena, Rostov-on-Don	Cosmos Arena, Samara	Volgograd Arena, Volgograd	Rostov Arena, Rostov-on-Don
30	Time	9:00 PM	6:00 PM	3:00 PM	3:00 PM	8:00 PM	3:00 PM	9:00 PM
31	Group	E	G	H	B	C	E	F
32	Home	Brazil	Belgium	Colombia	Portugal	France	Brazil	Germany
33	Away	Switzerland	Panama	Japan	Morocco	Peru	CostaRica	Sweden
34	Stadium	Rostov Arena, Rostov-on-Don	Fisht Olympic Stadium, Sochi	Mordovia Arena, Saransk	Luzhniki Stadium, Moscow	Central Stadium, Yekaterinburg	Krestovsky Stadium, Saint Petersburg	Fisht Olympic Stadium, Sochi
35	Time	6:00 PM	9:00 PM	6:00 PM	9:00 PM	9:00 PM	8:00 PM	3:00 PM
36	Group	F	G	H	B	D	E	G
37	Home	Germany	Tunisia	Poland	Iran	Argentina	Serbia	Belgium
38	Away	Mexico	England	Senegal	Spain	Croatia	Switzerland	Tunisia
39	Stadium	Luzhniki Stadium, Moscow	Volgograd Arena, Volgograd	Otkritie Arena, Moscow	Kazan Arena, Kazan	Nizhny Novgorod Stadium, Nizhny Novgorod	Kaliningrad Stadium, Kaliningrad	Otkritie Arena, Moscow

<p>"Team" Worksheet :</p> <p>Each team has three games in the group match. Display the date and opponent of each team's three games according to the content of "Schedule" Worksheet.</p> <p>6. "Date1" : Date of the first match.</p> <p>7. "Date2" : Date of the second match.</p> <p>8. "Date3" : Date of the third match.</p> <p>9. "Match1" : Competitor of the first match.</p> <p>10. "Match2" : Competitor of the second match.</p> <p>11. "Match3" : Competitor of the third match.</p>		<p>[3]</p> <p>[3]</p> <p>[3]</p> <p>[3]</p> <p>[3]</p> <p>[3]</p>	<p>[]</p> <p>[]</p> <p>[]</p> <p>[]</p> <p>[]</p> <p>[]</p>																																																																																	
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<p>"Stadium" Worksheet :</p> <p>12. Calculate the number of matches for each course based on the "Stadium" field of the "Schedule" Worksheet content (self-correcting the blank of the "Schedule" Worksheet content)</p> <table><tr><th></th><th>A</th><th>B</th><th>C</th></tr><tr><th>1</th><th>Stadium</th><th>City</th><th>Times</th></tr><tr><td>2</td><td>Kaliningrad Stadium</td><td>Kaliningrad</td><td>4</td></tr><tr><td>3</td><td>Mordovia Arena</td><td>Saransk</td><td>4</td></tr><tr><td>4</td><td>Kazan Arena</td><td>Kazan</td><td>4</td></tr><tr><td>5</td><td>Luzhniki Stadium</td><td>Moscow</td><td>4</td></tr></table>			A	B	C	1	Stadium	City	Times	2	Kaliningrad Stadium	Kaliningrad	4	3	Mordovia Arena	Saransk	4	4	Kazan Arena	Kazan	4	5	Luzhniki Stadium	Moscow	4	<p>[2]</p>	<p>[]</p>																																																									
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5	Luzhniki Stadium	Moscow	4																																																																																	
<p>合計</p>		<p>[40]</p>	<p>[]</p>																																																																																	

SPREADSHEET REQUEST FORM 3

Co-requisites:

Action Required:

☐ New Spreadsheet
 ☒ Edit Spreadsheet *Russia-Data.xlsx*

 Save as

 Russia-Answer.xlsx

☐ Data Entry
 ☐ Import Data
 ☐ Graph
 ☐ Macro

Scenario description:

The Russian Federation is a country located in the northern part of Eurasia, spanning the two continents of Europe and Asia. As the country with the largest land area in the world, Russia has an area of more than 17 million square kilometers, accounting for one-eighth of the earth's land area; The world's ninth largest population has a population of 147 million and 77% live in its more developed European sector. Russia covers the whole of northern Asia and most of Eastern Europe, spanning 11 time zones, covering a wide range of environments and topography. Want to instantly query the federal information and its representative flag.

"Russia" Worksheet :

1. Remove all hyperlinks and apply the "Normal" style. The borders still need to be retained.
2. Area(km²) :
The three largest federal areas, the entire column is filled with any one light colors (You must use conditional formatting.)
3. Population :
The first three federations with the largest population, the entire column is displayed in dark background and white bold text. (You must use conditional formatting.)
4. Population : (You must use conditional formatting.)
 - (1) The population is largest: displayed with a yellow star symbol in front of numbers.
 - (2) The population is second: displayed with a white and yellow star symbol in front of numbers.
 - (3) The population is third: displayed with a white star symbol in front of numbers.

[1]

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[3]

[]

[3]

[]

[3]

[]

Format reference below

	A	B	C	D	E	F	G	H	I	J
	Code	Name	Capital/Administrative center	Flag	Coat of arms	Federal district	Economic region	Area(km ²)	Population	Year established
53	50	Moscow Oblast	Largest city: Balashikha			Central	Central	44300	6618538	1929
54	51	Murmansk Oblast	Murmansk			Northwestern	Northern	144900	892534	1938
55	52	Nizhny Novgorod Oblast	Nizhny Novgorod			Volga	Volga-Vyatka	76900	3524028	1936
56	53	Novgorod Oblast	Veliky Novgorod			Northwestern	Northwestern	55300	694355	1944

"Query" Worksheet :

5. B1 cell :

Set data verification, the source is the Name field in the Russia Worksheet.

[2]

[]

6. B2 cell :

When the B1 federated name is selected, the Capital/Administrative center is displayed.

[2]

[]

7. B5 cell :

When the B1 federal name is selected, the Federal district is displayed.

[2]

[]

8. B6 cell :

When the B1 federal name is selected, the Economic region is displayed.

[2]

[]

9. B7 cell :

When the B1 federal name is selected, Area (km²) is displayed.

[2]

[]

10. B8 cell :

Population is displayed when the B1 federal name is selected.

[2]

[]

11. B9 cell :

When the B1 federal name is selected, Year established.

[3]

[]

12. B3 cell :

When the B1 federal name is selected, the flag of the federation is displayed.



[3]

[]

13. B4 cell :

When the B1 federal name is selected, the Coat of arms of the federation is displayed.

Format reference below

	A	B		
1	Name	Kursk Oblast		
2	Capital/Administrative center	Kursk		
3	Flag			
4	Coat of arms			
5	Federal district	Central		
6	Economic region	Central Black Earth		
7	Area(km2)	29,800		
8	Population	1,235,091		
9	Year established	1934		
合計			[30]	[]