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M T W T F S

Date

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Papers: C++

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Q No. 1

Part (a):

```
#include <iostream>
```

```
using namespace std;
```

```
int sqrtfun(int a)
```

```
{
```

```
    int b = a * a;
```

```
    return b;
```

```
}
```

```
int main()
```

```
{
```

```
    int x;
```

```
    cout << "Enter a number" << endl;
```

```
    cin >> x;
```

```
    cout << sqrtfun(x);
```

```
    return 0;
```

```
}
```

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Q No. 1 Part (b)

```

#include <iostream>
using namespace std;
int main()
{
int rows, cols, m1[10], m2[10]
int rows, cols, m1[10][10], m2[10][10], res[10][10];
cout << "Enter number of rows";
cin >> rows;
cout << "Enter no. of cols";
cin >> cols;
cout << "Enter elements of 1st matrix";
for (int i=0; i<rows; i++) {
    for (int j=0; j<cols; j++) {
        cin >> m1[i][j];
    }
}
cout << "Enter Elements of 2nd matrix";
for (int i=0; i<rows; i++) {
    for (int j=0; j<cols; j++) {
        cin >> m2[i][j];
    }
}
cout << "output";
for (int i=0; i<row; i++) {
    for (int j=0; j<cols; j++) {

```

```
res(i)(j) = m1(i)(j) + m2(i)(j);
```

```
cout << res(i)(j) << " ";
```

```
}
```

```
}
```

```
return 0;
```

```
}
```

←————→
Q No. 2 Part (a)

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
int arr[10] = {-5, -4, -3, -2, -1, 0, 1, 2, 3, 4}
```

```
for (int i = 0; i < arr[i]; i++)
```

```
{
```

```
int result;
```

```
result = 2 * arr[i] * arr[j] - 3 * arr[i];
```

```
cout << result;
```

```
}
```

```
return 0;
```

```
}
```

Q No. 2 Part (b)

```
#include <iostream>
using namespace std;
int main()
```

```
{
  int i, arr[10], sum=0;
  cout << "Enter 10 no. ";
  for (i=0; i<10; ++i)
```

```
{
  cin >> arr[i];
```

```
}
for (i=0; i<10; ++i)
```

```
{
  arr[i] = arr[i] + arr[i];
  sum = sum + arr[i];
```

```
}
cout << "Sum is " << sum;
```

```
return 0;
```

```
}
```

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Q No. 3 (9)

```
#include <iostream>
using namespace std;
{
    int main()
    {
        int n;
        cout << "Enter a number";
        cin >> n;
        for (int i = n; i > 0; --i)
        {
            cout << i;
        }
        return 0;
    }
}
```

Q No. 4 (a)

- i) No class included `<iostream>`
- ii) No semicolon at the end of line 2.
- iii) Void should be all small cases.
- iv) Used `>>` instead of `<<` in line 8.
- v) Same error at 11 line.
- vi) Same error at line 13, 14, 16
- vii) No closing braces at the end of main function.

Q No. 4 (b)

No output can be generated from the code. Because: Code has a very large amount of errors. for

example:

- i) line 1 should not have ".h".
- ii) Extra closing braces at the end.

if we run the program by solving these errors, it will only print

```

4
4
4
4
4
4
|
|

```

and will not stop.