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GROUP:- D2

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BRANCH:- CSE DEPT.

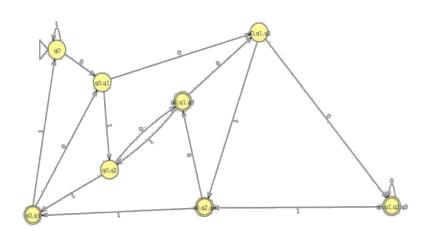
ASSIGNMENT - 05

1). Code

```
#include <bits/stdc++.h>
using namespace std;
int main()
    char f='A';
    string s;
    cin>>s;
    for(int i=0;i<s.length();i++){</pre>
        switch (f){
            case 'A':
            if(s[i]=='0'){
                f='B';
            // else{
            break;
            case 'B':
            if(s[i]=='0'){
                f='C';
            else{
```

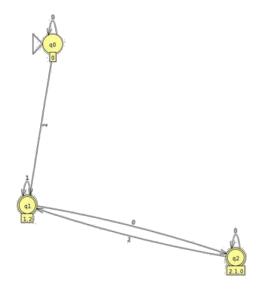
```
break;
if(s[i]=='0'){
else{
break;
if(s[i]=='0'){
else{
break;
if(s[i]=='0'){
else{
break;
if(s[i]=='0'){
else{
if(s[i]=='0'){
```

```
else{
     f='D';
}
break;
case 'H':
if(s[i]=='1'){
     f='G';
}
break;
}
if(f=='F'||f=='D'||f=='G'||f=='H'){
     cout<<"accepted"<<endl;
}
else cout<<"not accepted"<<endl;
     return 0;
}</pre>
```



```
#include <bits/stdc++.h>
using namespace std;
int main()
    char f='A';
    string s;
    cin>>s;
    for(int i=0;i<s.length();i++){</pre>
        switch (f){
            if(s[i]=='1'){
            break;
            if(s[i]=='0'){
            break;
            if(s[i]=='1'){
            break;
   if(f=='B'||f=='C'){
       cout<<"accepted"<<endl;</pre>
```

```
}
else cout<<"not accepted"<<endl;
return 0;
}</pre>
```

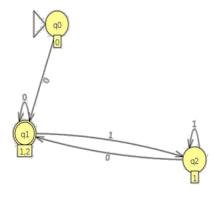


Q3:

Input:

```
#include <bits/stdc++.h>
using namespace std;
```

```
int main()
    string s;
    cin>>s;
    for(int i=0;i<s.length();i++){</pre>
        switch (f){
             if(s[i]=='0'){
             break;
             if(s[i]=='0'||s[i]=='1'){
            break;
   if(f=='B'){
       cout<<"accepted"<<endl;</pre>
   else cout<<"not accepted"<<endl;</pre>
    return 0;
```



Q4:

Input:

```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    char f='A';
    string s;
    cin>>s;
    for(int i=0;i<s.length();i++){</pre>
```

```
switch (f){
         if(s[i]=='0'){
             f='B';
         else{
         break;
         if(s[i]=='0'){
         if(s[i]=='1'){
         break;
if(f=='B'||f=='c'){
   cout<<"accepted"<<endl;</pre>
else cout<<"not accepted"<<endl;</pre>
return 0;
```

