

Write down the output of the following programs:

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| 1. | <pre>int main(){ int x = 5, y = 30; if(y/x > 2){ if(y % x !=2) x = x + 2; cout<<x<<"\n"<<y;} cout<<x<<y; return 0;}</pre> | <p>7 30730</p> |
| 2. | <pre>int main(){ int a =8; float b=4.5; a=b+3; cout<< a+b; return 0;}</pre> | <p>11.5</p> |
| 3. | <pre>int main(){ int a=6+1, b=0, c=2; a = 3 + (b =5) ; c=c+a*5+(c+17) ; cout<<a<<b<<c; return 0;}</pre> | <p>8561</p> |
| 4. | <pre>int main(){ int n = 10; if(n>0) cout<< "n is positive\n"; if(n>10) cout<<"n is greater than 10"; cout<< " The value of n:"<<n; if(n<100) cout<<"\n n is less than 100"; return 0;}</pre> | <p>n is positive The value of n:10 n is less than 100</p> |
| 5. | <pre>int main(){ int x=2, y=11, z=20; if(x>16 && y>x z%2==0) cout<<"Hello World"; else cout<< "BYE";</pre> | <p>Hello World</p> |

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| 6. | <pre> int main(){ int a=7,b=6,c=0; switch(0){ case 1: a=6; b=8; cout<<a<<endl; case 0: b=a+c; cout<<b<<endl; default: c=b+3; cout<<c<<endl;} cout<<a<<" "<<b<<" "<<c;} </pre> | <p>7 10 7 7 10</p> |
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Write down the reasons and types of error in the following code.

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| 1 | <pre> int main(){ int a,b,mult; cout<< "Enter 1st number"; cin>>a; cout<< "Enter 2nd number; cin>>b; sum = a+b; cout<sum; return 0;} </pre> | <p>1) The double quotation is missing from 2nd cout. 2) The sum variable is not declared 3) missing < operator</p> |
| 2. | <pre> int main(){ int Ascii_value =20; if(Ascii_value >=0 && Ascii_value>=47 Ascii_value >=54 && Ascii_value <=64) Ascii_value>=91) cout<< " You have entered special character"; return 0;} </pre> | <p>Syntax Error: Extra Bracket in if</p> |
| 3. | <pre> int main() { int n = 9, div = 0; div = n/0; cout << "result = "<< div; } </pre> | <p>RUNTIME ERROR because of divided by 0</p> |

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| 4. | <pre>int main(){ int a, b, c; a + b = c;}</pre> | Syntax Error in an assignment statement. |
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